207B .NM0022306 0003 MOLYCORP INC - QUESTA QUESTA NM



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REPLY TO: 6W-ET

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- Permit/CD 3 - DMR's

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Mr. David Shoemaker General Superintendent Molycorp, Inc., - Questa Division

5 - NCR . . .6 - Correspondence

P.O. Box 469

7 - CRAS Date Filed Clerk's Inits.

Ouesta, New Mexico 87556

Administrative Order Docket No. VI=91-415

NPDES Permit No. NMO022306

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. & 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc 3 - Questa Division for the violations described therein.

Compliance with the provisions of this Order is expected withing the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. In response hereto, please reference Docket No. VI-91-415 and your NPDES permit number, and send correspondence to the attention of Mr. Adolphus Talton (6W-EAT). The violations cited in the referenced Order could result in the issuance off an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines.

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office ispered to help you in any way it can. If you have any questions, please contact Mr. Sammy Mitz, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours. /8/ Kenton Kirkpatrick

Ellison (6W-EA)x2 bcc: Meacham (6X)

Myron O. Knudson, P.E.

Goetz (6X)

Director Water Management Division (6W) Read File (6W-EA) Gair (EN-338) Mitz (6W-ET)

Enclosure

Mr. Jim Piatt, Acting Chief Surface Water Quality Bureau

New Mexico Environmental Improvement

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF

DOCKET NO. VI-91-415

MOLYCORP, INC., - QUESTA DIVISION

PROCEEDINGS UNDER SECTION 309(a)(3), CLEAN WATER ACT, [33 U.S.C. § 1319(á)(3)]

In RE: NPDES PERMIT NO. NM0022306

ADMINISTRATIVE ORDER

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc., - Questa Division (hereinafter the Permittee) is a company doing business in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

Docket No. VI-91-415 Page 2

HII.

PERMIT FINDINGS

Section 301(a) of the Act, 33 U.S.C. § 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

FINDINGS OF FACT

Pursuant to Section 309(a)(3) of the Act, the EPA issued Administrative Order Docket No. VI-91-1080 to the Permittee on June 10, 1991. The Order required the submittal of an acceptable compliance plan which would provide for elimination of unpermitted discharges into the waters of the United States.

An acceptable compliance schedule was received by letter dated June 19, 1991.

١٧.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. If an EPA administrative penalty order is issued or a judicial action is initiated by the U.S. Department of Justice, you will be subject to a monetary fine.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

A. That the Permittee comply with the following schedule:

ACTIVITY	DUE DATE
 Begin complete replacement of steel pipe with rubber-lined pipe in the two remaining tailings lines. 	Underway
2. Install expanded instrumentation.	October 1, 1991
3. Complete installation of rubber-lined pipe from station 28,500' to station 38,800' in the two remaining tailings lines.	October 15, 1991
4. Begin operating expanded instrumentation.	January 2, 1992
5. Complete installation of rubber-lined pipe from station 40,000' to station 44,600' in the two remaining tailings lines.	March 15, 1992
6. Eliminate unpermitted discharges.	March 15, 1992

B. That the Permittee shall submit construction progress reports in accordance with the following schedule:

REPORT NO.		DUE DATE	
		September 15), 1991
Maria de la Carta de la Ca Carta de la Carta de la Ca		December 1,	1991
		December 1,	
3 3 7	and the paper of the second	March 1, 199	92

- C. That the Permittee report compliance or noncompliance with the requirements of (b) above, no later than fourteen (14) calendar days following the date of a specific action:
- D. That all other terms and conditions of the permit are effective as issued and require full compliance.

Docket No. VI-91-415 Page 4

The effective date of this Order shall be the date it is received by the Permittee.

AUG 2 9 1991

DATED: This day of

/s/ Kenton Kirkpau.un

Myron O. Knudson, P.E. Director

Water Management Division (6W)

KD

United States Environmental Protection Agency

JUN 1 0 1991

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 341 528 093)

Mr. David R. Shoemaker Mine Manager Molycorp, Inc., Questa Division P.O. Box 469 Questa, New Mexico 87556

Re: *Consent Agreement and Order Assessing Administrative Penalties Docket No. VI-91-1617
NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

This is to acknowledge receipt of your letter dated April 11, 1991, transmitting the "Consent Agreement and Order Assessing Administrative Penalties" signed by yourself. As no comments were received from the general public during the thirty (30) day public notice period, the Environmental Protection Agency hereby issues this Final Consent Agreement and Order.

The Consent Agreement shall become effective thirty (30) days after the date of issuance noted therein. Penalty payment is due at that time.

If you have any questions regarding this matter, please contact Mr. Sammy Mitz at telephone (214) 655-6475.

Sincerely yours,

/s/ Myron C. Knudson

Myron O. Knudson, P.E. Director Water Management Division (6W)

Enclosure

cc: Mr. Jim Piatt, Acting Chief

Surface Water Bureau

New Mexico Environmental Improvement_

1 · Permit/CD
2 · AO & AO matl
3 · DMR's
4 · Vio. Sum. Log
5 · NCR
5 · Correspondence
7 · CRAS
Date Filed
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bcc: Gair (EN-338)
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Ellison (6W-EA) x2
Meacham (6X)
Goetz (6X)
Mitz (6W-ET)
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P 341 528 093

RECEIPT FOR CERTIFIED MAIL

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF

MOLYCORP, INC., QUESTA DIVISION P.O. Box 469

Questa, New Mexico 87556

NPDES PERMIT NO. NMO022306

DOCKET NO. VI-91-1617

ASSESSMENT OF CLASS II ADMINISTRATIVE PENALTY

ON CONSENT UNDER CWA § 309(g)

CONSENT AGREEMENT AND ORDER ASSESSING ADMINISTRATIVE PENALTIES

I. Statutory Authority

The following Findings are made and Consent Agreement issued under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6, who hereby issues this Final Order.

II. Findings of Violation

Upon consent of the parties by their attorneys and authorized officials, the Administrator finds:

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of the Act, owns or operates a facility located in Taos County, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq. including Section 309(g) of the Act, 33 U.S.C. § 1319(g).

- 2. On January 15, 1991, EPA Region 6 issued to Respondent, and on or about February 2, 1991, notified the public of an Administrative Complaint, Docket No. VI-91-1617, which included formal findings of violation, notice of a proposed assessment of a civil penalty against Respondent, and notice of Respondent's opportunity to request a hearing on the proposed administrative penalty assessment.
- 3. On January 15, 1991, the State of New Mexico was given an opportunity to consult with EPA regarding the assessment of an administrative penalty against the Respondent.
- 4a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.
- 4b. The Respondent has violated Section 301 of the Act, 33 U.S.C. §
 1311, by discharging mine tailings to a local acequia (irrigation ditch)
 system on January 11, 1990; April 13, 1990; and November 20, 1990.
- 4c. The Respondent has violated Part II.B.1. of NPDES Permit

 No. NM0022306, which condition implements Section 301 of th Act,

 33 U.S.C. § 1311, and which permit has been issued to Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing to properly operate and maintain its tailings pipeline on December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990; April 30, 1990; and November 20, 1990, resulting in spills of mine tailings.

4d. The Respondent has violated Part II.B.1. of NPDES Permit
No. NM0022306, which condition implements Section 301 of the Act,
33 U.S.C. § 1311, and which permit has been issued to Respondent
pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating
monthly average and/or daily maximum concentration limits for molybdenum
on May 31, 1990, and fourteen (14) days of June 1990.

III. Penalty Order and Consent

Based on the foregoing findings, and having taken into account the nature, circumstances, extent, and gravity of the violation(s), Respondent's prior history of compliance, degree of culpability, economic benefit or savings resulting from the violation(s), and ability to pay, and under the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby ORDERS, AND RESPONDENT HEREBY CONSENTS, that:

- 1. The provisions of this Consent Agreement shall be binding upon the Respondent, its officers, directors, agents, servants, authorized representatives, employees, and successors or assigns.
- 2. The Respondent shall mail two (2) copies of the Consent Agreement, each with original signatures, to the attention of Ms. Carlene Ellison (6W-EA) at the following address:

U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733 3. The Respondent shall pay \$30,000 for its past violations of the Act cited above by mailing a money order or certified check payable to Treasurer, United States of America, within thirty (30) days of the effective date of Agreement to the following address:

Regional Hearing Clerk (6C-G) U.S. EPA Region 6 P.O. Box 360582M Pittsburgh, PA 15251

The money order or check must list the docket number referenced on page 1 of this Order.

Respondent shall send notice of such payment, including a copy of the money order or check, to the Hearing Clerk at the following address:

Regional Hearing Clerk (6C-G) U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

and a copy to the Enforcement Branch at the following address:

Ms. Carlene Ellison (6W-EA) U.S. EPA Region 6 Water Management Division 1445 Ross Avenue Dallas, Texas 75202-2733

IV. General Provisions

1. Issuance of this Order does not constitute a waiver by EPA of its right to enforce the substantive legal requirements underlying this administrative penalty assessment, either administratively or judicially

pursuant to Sections 309(a), (b), and (c) of the Act, 33 U.S.C. \S 1319(a), (b), and (c). Nor pursuant to Section 309(g)(7) of the Act, does issuance or compliance with this Order exempt Respondent from responsibility to comply with all requirements of the Act and of any legal order or permit issued pursuant thereto.

- 2. While Respondent agrees to abide by the conditions of this Order, it does not admit to any of the findings contained herein, nor does Respondent admit liability for any purpose or admit any issues of law or fact.
- 3. Failure by Respondent to pay in full the penalty assessed by this Consent Agreement by its due date may subject Respondent to a civil action to collect the assessed penalty plus interest, attorneys' fees, costs, and an additional quarterly nonpayment penalty pursuant to Section 309(g)(9) of the Act, 33 U.S.C. § 1319(g)(9). In any such collection action, the validity, amount, and appropriateness of the penalty and of this Consent Agreement shall not be subject to review.
- 4. Respondent knowingly and explicitly waives its rights pursuant to Sections 309(g)(2) and (8), 33 U.S.C. § 1319(g)(2) and (8), to a hearing on this penalty assessment and to judicial review of this administrative penalty assessment.

V. Effective Date

This Consent Agreement and Order shall become effective thirty (30) days after the date of issuance noted below unless a petition for a hearing

is filed pursuant to Section 309(g)(4)(C) of the Act, 33 U.S.C. § 1319(g)(4)(C), by a person who commented on the proposed penalty assessment. If such a petition is filed, EPA Region 6 will so notify Respondent and will inform Respondent of the effect of the petition on the effective date of this Consent Agreement and Order.

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Myron O. Knudson, P.E.
Director
Water Management Division (6W)
EPA Region 6

	,	JUN 1 0 199?		•	
Issued	this	Fa 1 (10.0)	day of	•	1991.
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Robert E. Layton Jr., P. E. Regional Administrator U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 10 1997

REPLY: TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P8341 5300937)

Mr. David Shoemaker General Superintendent Molycorp, Inc. - Questa Division P.O. Box 469 Questa, New Mexico 87556

Re:

Administrative Order Docket No. VI-91-1080

NPDES Permit No. NMO022306

Dear Mr. Shoemaker:

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. The violations cited in the referenced Order could result in the issuance of an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines. In response hereto, please reference Docket No. VI-91-1080 and your NPDES permit number, and send correspondence to the attention of Mr. Adolphus Telton (61-17):

It is the policy of EPA to achieve rull complement with the NPDES permit program as rapidly as possible. This office Espaced to help you in any way it can. If you have any questions, prease contact Mr. Sammy Mitz, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours,

/s/ Kenton Kirkpstrick

Myron O. Knudson, P.E. Director Water Management Division (6W) bcc: Ellison (6W-EA)x2

Meacham (6X) Goetz (6X)

Read File (6W-EA) Gair (EN-338) Mitz (6W-ET)

414191

Enclosure

6/3/91

CC: Mr. Jim Piatt, Acting Chief
Surface Water Bureau 6W-ET:SMITZ:el:x6475:AE00 AE1A:5/31/91:LL2:03245

New Mexico Environmentaltlacqnquagenent
Symbol Division 6W-ET 6C-A/W
Surname Chaham Hartung Hughes

EPA Form 1320-1 (12-70)

DATE

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE NATTER OF

DOCKET NO. VI-91-1080

MOLYCORP, INC. - QUESTA DIVISION

PROCEEDINGS UNDER SECTION 309(a)(5), CLEAN WATER ACT,
[33 U.S.C. § 1319(a)(3)],
In RE: NPDES PERMIT NO. NMOO22306

ADMINISTRATIVE ORDER

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

1

Molycorp, Inc. - Questa Division (hereinafter the Permittee) is a company doing business in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

11.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

Section 301(a) of the Act, 33 U.S.C. & 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

FINDINGS OF FACT

Spill which occurred on May 21, 1991, due to a tailings line break. The break occurred at approximately 5:30 p.m. when a line coupling separated due to a pressure surge. The spilled material entered an irrigation ditch and flowed into an arroyo which drains into the Red River. Although the irrigation ditch was bermed and some of the tailings were diverted to an emergency sump, it is estimated that approximately twenty-five (25) gallons of tailings entered the Red River via a small feeder ditch off of the main irrigation ditch.

۷.

FINDINGS OF VIOLATION

Based on information provided by EPA and the Permittee, the Regional Administrator, through the Director of the Water Management Division, finds that the Permittee has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a).

Violation of Section 301(a) of the Act, 33 U.S.C. § 1311(a) - The May 22, 1991, spill resulted in an unpermitted discharge of tailings to the Red River.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. Failure to reach a satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or referral to the U.S. Department of Justice for judicial action with monetary fines.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(5) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

- A. That the Permittee, within thirty (30) days of the effective date of this Order, shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION. In addition, the Permittee shall, within thirty (30) days of the effective date of this Order, submit a report detailing the specific actions taken and why such actions are sufficient to prevent recurrence of the violations.
- B. In the event the Permittee believes that complete correction of the previously cited noncomplying discharges is not physically possible within thirty (30) days of the effective date of this Order, the Permittee shall submit, within thirty (30) days of the effective date of this Order, a

Docket No. VI-91-1080 Page 4

noncomplying discharges. Such plan shall provide for specific corrective actions to be taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.

- C. That the Permittee appear at the Region 6 offices of the United States EPA, 1445 Ross Avenue, 12th Floor, Dallas, Texas, before the undersigned or designee, to show cause why the Permittee has not complied with the mandate of Section 301 of the Act and to show cause why the EPA should not take further enforcement action against the Permittee.
- D. The Permittee shall arrange a meeting with EPA to be held within thirty (30) days of the effective date of this Order. The Permittee shall submit all written material relevant to the previously mentioned issues on which it intends to make its showing at least ten (10) days prior to the scheduled meeting. Concurrently with such material, the Permittee shall submit to the EPA any proposed compliance schedule for achieving complete compliance with the permit.

To arrange the meeting and to provide any comments or questions concerning this matter, please contact Mr. Sammy Mitz of our office at telephone (214) 655-6475.

Docket No. VI-91-1080 Page 5

The effective date of this Order shall be the date it is received by the Permittee.

JUN 1 0 1991

DATED: This day of ... 1991

/s/ Kenton Kinkpstrick

Nyron O. Knudson, P.E. Director

Water Management Division (6W)

REPLY TO: 6W-EAT

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Re: Administrative Order Docket No.	۷∮ี-91 ≘ี130∋ู๊	1 Table 1	
NPDES Permit No. NMO022306			
Dear Mr. Shoemaker:由於 智慧 [編集] 單層[]			• •

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. S. 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., Questa Division for the violations described therein

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. In response hereto, please reference Docket No. VI-91-130 and your NPDESEpermit number, and send correspondence to the attention of Mr. Adolphus Talton (6W-EAT). The violations cited in the referenced Order could result in the issuance of an EPA administrative penalty order or referral to the United States Department of Justice for judicial action with monetary fines. 3 4 4 3 7

It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Adolphus Talton, EPA. Dallas, Texas at (214) 655-6455.

Sincerely yours,

/s/ Myron O. Knudson

bcc: Ellison (6W-EA)x2

Myron O. Knudson, P.E.

Meacham (6X)

Director

Goetz (6X)

Read File (6W-EA)

Water Management Division (6W)

Gair (EN-338) Talton (6W-EAT)

Enclosure

cc: Mr. Jim Piatt, Acting Chief

Surface Water Bureau

New Mexico Environmental Improvement

Division.

6W-EAT:ATALTON:de:Aeoo,Aela:DM2:x6455:02/27/91:01833

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RETURN RECEIPT REQUESTED (F 041 525 640) CERTIFIED LAIL: hr, Lavid R. Shed P 341 529 846 Ceneral Superint4 RECEIPT FOR CERTIFIED MAIL holycorp Inc - Cl NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Fleverse)
Mr. David R. Shoemaker P.U. CCX 469 Lucsta New Lexi Sent to Molycorp, Inc. Administra I.PLES Perch Street and No. 469 P.O., State and ZIP Code Ouesta, NM 87556 Dear Ir. Shoemall Ouesta, Postage htal Protection Agency Violation of an ure compliance. Pursuant: Certified Fee (EP/) to take a the enclosed Administrative to the Clear Wa Special Delivery Fee westa Division for the . Graer is hereby violations desc Restricted Delivery Fee Return Receipt showing to whom and Date Delivered beeted within the caxicum -Compliance with Your cooperation and time periods as Return Receipt showing to whom, Date, and Address of Delivery hereto, please reference promot attentid 5 and send correspondence to TOTAL Postage and Fees bocket has VI-4 c violations cited in the the attention d 3800, Postmark or Date n LPA acministrative peraity reterenced Erd of custice for judicial :: brden on refer Form action with mo

It is the policy of LPA to achieve furr competence with the HPLLS permit program as rapidly as possible. This office is prepared to help you in any usy it can. If you have any questions, please contact in: Adolphus Talton, LPA, ballas, Texas at (214) 665-6465.

Sincerell yours,

Tyren C. Knudsen, P.E.

Linector

Later Languaget Division (GW)

Enclosure

co: i.r. Jim Piatus Acting Chici Surrace Later Dureau Levice Lavirenmental Improvement Livision

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bcc: [Ellison (CL-EA)x2 | Cachan (CA)

. Gair. (EH-338) Taiten. (EL-EKT)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF GOCKET NO. VI-91-130 MOLYCORP, INC., QUESTA DIVISION GOVERNMENT OF GOLDEN WATER ACT, GOLDEN WATER ACT,

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

· 1

Molycorp, Inc., Questa Division (hereinafter the Permittee) is a company in the State of New Mexico and located in Taos County, the mailing address for which is P.O. Box 469, Questa, New Mexico 87556.

ΨF.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to receiving waters named Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

III.

Part 1.A. of the permit places certain limitations on the quantity and quality of effluent discharged by the Permittee. The relevant limitations follow:

Effluent Characteristic	Discharge L	imitation/Mo	onitoring Requir	ements
	Mass Daily avg	(lbs/day) Daily max	Measurement Frequency	Sample Type
				· ·
Total Molybdenum	25 (*4)	50 (*3)	1/week	Composite

- *3. Sum Total for Outfalls 001 and 002
- *4. Sum Total average for Outfalls 001 and 002 for six (6) months proceeding reporting period end date; also report daily average mass for each month

IV.

FINDINGS OF FACT

The Permittee failed to report sum total at Outfalls 001 and 002 for Total Molybdenum during the month of April 1990.

٧.

FINDINGS OF VIOLATION

Based on information provided by EPA and the Permittee, the Regional Administrator, through the Director of the Water Management Division, finds that the Permittee has violated Part I.A. of the permit.

Violations of Part I.A. - Recent violations include:

Failure to report Sum Total at Outfalls 001 and 002 for Total Molybdenum during the month of April 1990.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. If an EPA administrative penalty order is issued or a judicial action is initiated by the U.S. Department of Justice, you will be subject to a monetary fine.

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

The Permittee shall; within fifteen (15) days of the effective date of this Order, submit missing Molybdenum data for April 1990. The Permittee shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION.

The effective date of this Order shall be the date it is received by the Permittee.

- 1	APR 0 2 19	91			
DATED:	This	day	of		, 1991.
	/s/ Myron O. ł	nudson			
	12,0	4.			

Myron O. Knudson, P.E.

Director

JAN 1 5 1991

REPLY TO: 6W-ET

Permit/CD 2 - AO & AO mati 3 - DMAN'S A - Vio. Cum. Lon 5 - NCR - -

6 · Correspondance

7 - CRAS Date Filed Eclerk's Inits.

(PE 341 528 581) CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Mr. Jim Platt, Acting Chief Surface Water Bureau New Mexico Environmental Improvement Division P.O. 80x 968 Santa Fe. New Mexico 87504-0968

Notice of Proposed Administrative Penalty Assessment Docket No. VI-91-1617

NPDES Permit No. NMO022306

Dear Mr. Piatt:

Enclosed is a copy of the administrative complaint which the Administrator of the United States Environmental Protection Agency (EPA) proposes to issue to Molycorp, Inc., Questa Divisjon pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. 1319(g). The Administration proposes to issue the complaint to begin the process to administratively assess a Class II civil penalty of \$125,000 against Molycorp, Inc., Questa Division for violations of the Clean Water Act. Because the violations have occurred in the State of New Mexico, EPA is offering you an opportunity to confer with us regarding the proposed penalty assessment.

You may request a conference with Mr. Robert H. Fugate within two weeks of receipt of this letter. The conference may be in person or by telephone and may cover any matters relevant to the proposed penalty assessment. If you wish to request a conference or if you have any comments or questions regarding the matter, please call Mr. Robert H. Fugate at telephone (214) 655-6475. bcc: Gair (EN-338)

Sincerely yours,

_ಿಟ್ಟರಾ 0. Knudson Myron O. Knudson, P.E.

Director

Water Management Division (6W)

Meacham (6X) Goetz (6X) Read File (6W-EA) L. Vaughn (6C-G) Lassiter (EN-338)

Ellison (6W-EA)

Talton (6W-EAT) Fugate (6W-ET)

CONCURRENCES

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RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse) MM22306

Sent to NME ID

Street and No.

P.O., State and ZIP Code

Postage

Certified Fee

Special Delivery Fee

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Return Receipt showing to whom and Date Delivery

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REPLY TO: 6W-ET

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P-341 528 580)

Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Re: Notice of Proposed Assessment of a Glass II Civil Penalty

Docket No. VI-91-1617 AND NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Enclosed is a document entitled "Administrative Complaint, Findings of Violation, Notice of Proposed Assessment of a Civil Penalty, and Notice of Opportunity to Request a Hearing Thereon" (hereinafter the "Complaint"). We have filed this Complaint against Molycorp, Inc., Questa Division under the authority of Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). In the Complaint, the U.S. Environmental Protection Agency (EPA) alleges that Molycorp, Inc., Questa Division has violated various provisions of the Clean Water Act, its implementing regulations, and the terms of the NPDES permit issued under the authority of the Act. The violations the EPA is alleging are specifically set out in Section II of the Complaint.

By law, you have a right to request a hearing regarding the violations alleged in the Complaint and the proposed administrative civil penalty. Please pay particular attention to the Complaint Section IV entitled "Notice of Opportunity to Request a Hearing." Note that should you fail to request a hearing within twenty (20) days of your receipt of the Complaint, you will waive your right to such a hearing and, the proposed civil penalty may be assessed against you without further proceedings. You have the right to be represented by an attorney or to represent yourself at any stage of these proceedings.

Whether or not you request a hearing, we invite you to confer informally with the EPA concerning the alleged violations and the amount of the proposed penalty. You may represent yourself or be represented by an attorney at any conference, whether in person or by telephone. The EPA encourages all parties

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// CONCURRENCES								
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P 341 528 580 RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MANY 22306 (See Reverse)

Mr. David R. Shoemaker

Semon yeorp, Inc. O. BOX 469 P.O., State and ZIP Code Questa, NM 87556 Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt showing to whom and Date Delivered Return Receipt showing to whom, Date, and Address of Delivery TOTAL Postage and Fees 3800 Postmark or Date PS Form

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against whom it files a Complaint proposing assessment of a penalty to pursue the possibility of settlement as a result of an informal conference. If such a mutually satisfactory settlement can be reached, it will be formalized by the issuance of a Consent Agreement signed by you and by the Regional Administrator of EPA Region 6. The issuance of such a Consent Agreement shall constitute a waiver by you of your right to a hearing on, and to a Judicial appeal of, the agreed civil penalty. Enclosed for your convenience are two (2) copies of the "Consent Agreement and Order Assessing Administrative Penalties".

A request for an informal conference does not extend the twenty (20) days by which you must request or waive a hearing on the proposed penalty assessment; the two procedures can be pursued simultaneously. If you have any questions, or wish to discuss the possibility of a settlement of this matter, please contact Mr. Robert H. Fugate (6W-ET), U.S. EPA Region 6, 1445 Ross Avenue, Dallas, Texas 75202-2733, or telephone (214) 655-6475.

We urge your prompt attention to this matter.

Sincerely yours,

Myron O. Knudson, P. E. Director Water Management Division (6W)

Enclosures ···

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division

Mr. Mike Saladen Water Resources Specialist New Mexico Environmental Improvement Division

Mr. Roger K. Ferland Streich, Lang, Weeks & Cardon 2100 First Interstate Bank Plaza 100 West Washington Phoenix, Arizona 85003-1897

Mr. Scott Vail Environmental Coordinator Molycorp, Inc., Questa Division bcc: Gair (EN-338)
Ellison (6W-EA)
Meacham (6X)
Goetz (6X)
Read File (6W-EA)
Lorena Vaughn (6C-G)
Lassiter (EN-338)
Talton (6W-EAT)
Fugate (6W-ET)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF

. § . . . §

DOCKET NO. VI-91-1617

MOLYCORP, INC., QUESTA DIVISION P.O. Box 469

Questa, New Mexico 87556

NPDES PERMIT NO. NMO022306

Proposal to Assess Class II Administrative Penalty Under CWA § 309(g)

ADMINISTRATIVE COMPLAINT,
FINDINGS OF VIOLATION,
NOTICE OF PROPOSED ASSESSMENT OF
A CIVIL PENALTY, AND NOTICE OF OPPORTUNITY
TO REQUEST A HEARING THEREON

I. Statutory Authority

The following Findings are made and Notices given under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6 who redelegated these authorities to the Director of the Water Management Division of EPA Region 6, who hereby issues this Complaint and Notice.

II. Findings of Violation

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of Section 502(5) of the Act, 33 U.S.C. § 1362(5), owns or operates a facility located in Taos County, New Mexico, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq.

- 2a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.
- 2b. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging mine tailings to a local acequia (irrigation ditch) system on January 11, 1990; April 13, 1990; and November 20, 1990.
- 2c. The Respondent has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a), by violating condition Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311 and which permit has been issued to the Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing to properly operate and maintain its tailings pipeline on December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990; April 30, 1990; and November 20, 1990, resulting in spills of mine tailings.
- 2d. The Respondent has violated Section 301(a) of the Act, 33 U.S.C. § 1311(a), by violating condition Part II.B.1. of NPDES Permit No. NM0022306, which condition implements Section 301 of the Act, 33 U.S.C. § 1311 and which permit has been issued to the Respondent pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating monthly average and/or daily maximum concentration limits for molybdenum on May 31, 1990, and fourteen (14) days of June 1990.

3. EPA has consulted with the State of New Mexico regarding this proposed action by mailing a copy of this document to the appropriate State official and offering an opportunity for the State to consult with the EPA on this proposed penalty assessment.

III. Notice of Proposed Order Assessing A Civil Penalty

Based on the foregoing Findings of Violation and pursuant to the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby proposes to issue a Final Order Assessing Administrative Penalties to the Respondent assessing a penalty of \$125,000, which constitutes less than \$10,000 per violation cited above. The proposed penalty amount was determined by the EPA after taking into account the nature, circumstances, extent and gravity of the violation or violations, the Respondent's prior compliance history, degree of culpability for the cited violations, any economic benefit and savings accruing to Respondent by virtue of the violations, and the Respondent's ability to pay the proposed penalty. All factors are identified at Section 309(g)(3) of the Act, 33 U.S.C. § 1319(g)(3). The Final Order Assessing Administrative Penalties may be issued twenty (20) days after Respondent's receipt of this Notice unless the Respondent, within that time, requests a hearing on this Notice pursuant to the following section.

IV. Notice of Opportunity to Request a Hearing

1. Respondent may, pursuant to Section 309(g), of the Act, 33 U.S.C. § 1319(g), request within twenty (20) days of receipt of this Notice, a hearing on the civil penalty assessment proposed herein. At the hearing

the Respondent may contest any material fact contained in the Findings of Violation at Section II above and the appropriateness of the proposed penalty described in Section III above. The procedures for the hearing, if one is requested, are set out in the 40 CFR Part 22, "Consolidated Rules of Practice Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits", and amendments to the 40 CFR Part 22.38, copies of which are attached hereto for your convenience.

2. Respondent must send any request for a hearing to:

Regional Hearing Clerk (6C-G) U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

3. Be aware that should you request a hearing on this proposed penalty assessment, members of the public, to whom EPA is obligated to give notice of this proposed action, will have a right under Section 309(g)(4)(B) of the Act, 33 U.S.C. § 1319(g)(4)(B), to be heard and to present evidence on the appropriateness of the penalty assessment. Should you not request a hearing, EPA will issue a Final Order Assessing Administrative Penalties and only members of the public who commented on this proposal will have an additional thirty (30) days to petition EPA to set aside the Final Order Assessing Administrative Penalties and to hold a hearing thereon. Such a petition will only be granted and the hearing held if the petitioner's evidence is material and was not considered by EPA in the issuance of the Final Order Assessing Administrative Penalties.

Docket No. VI-91-1617 Page 5

4. Neither assessment nor payment of the administrative civil penalty pursuant to this section of the Act shall affect your continuing obligation to comply with the Act, with every term and condition of your NPDES permit, and with any separate Compliance Order issued under Section 309(a) of the Act, 33 U.S.C. § 1319(a), ordering cessation of the violations alleged herein.

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Date:							

/s/ Myron O. Knudson

Myron O. Knudson, P.E.
Director
Water Management Division (6W)
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF

DIVISION

DOCKET NO. VI-91-1617

MOLYCORP, INC., QUESTA DIVISION P.O. Box 469 Questa. New Mexico 87556

ASSESSMENT OF CLASS II
ADMINISTRATIVE PENALTY

NPDES PERMIT NO. NMO022306

ON CONSENT UNDER CWA & 309(g)

CONSENT AGREEMENT AND ORDER ASSESSING ADMINISTRATIVE PENALTIES

I. Statutory Authority

The following Findings are made and Consent Agreement issued under the authority vested in the Administrator of the U.S. Environmental Protection Agency (EPA) by Section 309(g) of the Clean Water Act (hereinafter the "Act"), 33 U.S.C. § 1319(g). The Administrator has delegated these authorities to the Regional Administrator of EPA Region 6, who hereby issues this Final Order.

II. Findings of Violation

Upon consent of the parties by their attorneys and authorized officials, the parties stipulate and the Administrator finds:

1. Molycorp, Inc., Questa Division (hereinafter the "Respondent"), a person within the meaning of the Act, owns or operates a facility located in Taos County, with a mailing address of P.O. Box 469, Questa, New Mexico 87556, which discharges pollutants to the Red River, a navigable water of the United States within the meaning of Section 502 of the Act, 33 U.S.C. § 1362. Respondent is, therefore, subject to the provisions of the Act, 33 U.S.C. § 1251 et seq. including Section 309(g) of the Act, 33 U.S.C. § 1319(g).

- 2. On , EPA Region 6 issued to Respondent, and on or about , notified the public of an Administrative Complaint, Docket No. VI-91-1617, which included formal findings of violation, notice of a proposed assessment of a civil penalty against Respondent, and notice of Respondent's opportunity to request a hearing on the proposed administrative penalty assessment.
- 3. On , the State of New Mexico was given an opportunity to consult with EPA regarding the assessment of an administrative penalty against the Respondent.
- 4a. The Respondent has violated Section 301 of the Act, 33 U.S.C. § 1311, by discharging 9 to 24 gallons of diesel to the Red River on August 12, 1987.
- 4b. The Respondent has violated Section 301 of the Act, 33 U.S.C. §
 1311, by discharging mine tailings to a local acequia (irrigation ditch)
 system on January 11, 1990; April 13, 1990; and November 20, 1990.
- 4c. The Respondent has violated Part II.B.1. of NPDES Permit
 No. NM0022306, which condition implements Section 301 of th Act,
 33 U.S.C. ζ 1311, and which permit has been issued to Respondent
 pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by failing
 to properly operate and maintain its tailings pipeline on
 December 12, 1989; January 3, 1990; January 11, 1990; April 13, 1990;
 April 30, 1990; and November 20, 1990, resulting in spills of mine
 tailings.

4d. The Respondent has violated Part II.B.1. of NPDES Permit
No. NM0022306, which condition implements Section 301 of the Act,
33 U.S.C. § 1311, and which permit has been issued to Respondent
pursuant to Section 402 of the Act, 33 U.S.C. § 1342, by violating
monthly average and/or daily maximum concentration limits for molybdenum
on May 31, 1990, and fourteen (14) days of June 1990.

III. Penalty Order and Consent

Based on the foregoing stipulations and findings, and having taken into account the nature, circumstances, extent, and gravity of the violation(s), Respondent's prior history of compliance, degree of culpability, economic benefit or savings resulting from the violation(s), and ability to pay, and under the authority of Section 309(g) of the Act, 33 U.S.C. § 1319(g), EPA Region 6 hereby ORDERS, AND RESPONDENT HEREBY CONSENTS, that:

- 1. The provisions of this Consent Agreement shall be binding upon the Respondent, its officers, directors, agents, servants, authorized representatives, employees, and successors or assigns.
- 2. The Respondent shall mail two (2) copies of the Consent Agreement, each with original signatures, to the attention of Ms. Carlene Ellison (6W-EA) at the following address:

U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

Docket No. VI-91-1617 Page 4

3. The Respondent shall pay for its past violations of the Act cited above by mailing a money order or certified check payable to Treasurer, United States of America, within thirty (30) days of the effective date of Agreement to the following address:

Regional Hearing Clerk (6C-G) U.S. EPA Region 6 P.O. Box 360582M Pittsburgh, PA 15251

The money order or check must list the docket number referenced on page

Respondent shall send notice of such payment, including a copy of the money order or check, to the Hearing Clerk at the following address:

Regional Hearing Clerk (6C-G) U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

and a copy to the Enforcement Branch at the following address:

Ms. Carlene Ellison (6W-EA)
U.S. EPA Region 6
Water Management Division
1445 Ross Avenue
Dallas, Texas 75202-2733

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IV. General Provisions

1. Issuance of this Order does not constitute a waiver by EPA of its right to enforce the substantive legal requirements underlying this administrative penalty assessment, either administratively or judicially

pursuant to Sections 309(a), (b), and (c) of the Act, 33 U.S.C. § 1319(a), (b), and (c). Nor pursuant to Section 309(g)(7) of the Act, does issuance or compliance with this Order exempt Respondent from responsibility to comply with all requirements of the Act and of any legal order or permit issued pursuant thereto.

- 2. Failure by Respondent to pay in full the penalty assessed by this Consent Agreement by its due date may subject Respondent to a civil action to collect the assessed penalty plus interest, attorneys' fees, costs, and an additional quarterly nonpayment penalty pursuant to Section 309(g)(9) of the Act, 33 U.S.C. § 1319(g)(9). In any such collection action, the validity, amount, and appropriateness of the penalty and of this Consent Agreement shall not be subject to review.
- 3. Respondent knowingly and explicitly waives its rights pursuant to Sections 309(g)(2) and (8), 33 U.S.C. § 1319(g)(2) and (8), to a hearing on this penalty assessment and to judicial review of this administrative penalty assessment.

V. Effective Date

This Consent Agreement and Order shall become effective thirty (30) days after the date of issuance noted below unless a petition for a hearing is filed pursuant to Section 309(g)(4)(C) of the Act, 33 U.S.C. § 1319(g)(4)(C), by a person who commented on the proposed penalty assessment. If such a petition is filed, EPA Region 6 will so notify Respondent and will inform Respondent of the effect of the petition on the effective date of this Consent Agreement and Order.

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Mr. David R. Shoemaker
Mine Manager
Molycorp, Inc., Questa Division
P.O. Box 469
Questa, New Mexico 87556

Myron O. Knudson, P.E. Director Water Management Division (6W) EPA Region 6

Issued this _____ day of ______, 1991.

Robert E. Layton Jr., P. E. Regional Administrator U.S. EPA Region 6 1445 Ross Avenue Dallas, Texas 75202-2733

AD

AUG 2 1 1990

REPLY TO: 6W-ET

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3 - Diffe's
4 - Via Surn. Log
5 - ACR
6 - Correspondence
7 - CrAS
Date Filed
Clerk's Inits.

CERTIFIED MAIL: RETURN RECEIPT REQUESTED (P 176 161 328)

Mr. David R. Shoemaker Mine Manager Molycorp, Inc., Questa Division P.O. Box 469 Questa, New Mexico 87556

Re: Administrative Order Docket No. VI-90-1037

NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

Violation of an NPDES permit requires the Environmental Protection Agency (EPA) to take appropriate enforcement action to assure compliance. Pursuant to the Clean Water Act (33 U.S.C. § 1251 et seq.), the enclosed Administrative Order is hereby served on you and Molycorp, Inc., Questa Division for the violations described therein.

Compliance with the provisions of this Order is expected within the maximum time periods established by each part of the Order. Your cooperation and prompt attention will be appreciated. Failure to reach a satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or a referral within 120 days to the United States Department of Justice for judicial action with monetary fines. In response hereto, please reference Docket No. VI-90-1037 and your NPDES permit number, and send correspondence to the attention of Mr. A. D. Talton (6W-EAT).

6W#ED:RFUGATE:%6475:AE:08and AE-1A:mmv2&3:6/14/90:02601

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RECEIPT FOR CERTIFIED WAIL
NO "NSURANCE COVERAGE PROVIDED
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	(See Reverse) No. David R. Shoenake	122306
	Smilycorp, Inc., Questa	er Division
	^S P.O.ª POX 469	
	P.O., State and ZIP Code Questa, NM 87556	
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	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery The	
S	Return Receipt showing to whom and Date Delivered	
June 1985	Return Receipt showing to whom, Date, and Address of Delivery	
1	TOTAL Postage and Fees	\$
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It is the policy of EPA to achieve full compliance with the NPDES permit program as rapidly as possible. This office is prepared to help you in any way it can. If you have any questions, please contact Mr. Robert Fugate, EPA, Dallas, Texas at (214) 655-6475.

Sincerely yours,

/s/ Myron O. Knudson

Myron O. Knudson, P.E. Director Water Management Division (6W)

Enclosure

cc: Ms. Kathleen M. Sisneros
Chief, Surface Water Quality Bureau
New Mexico Environmental
Improvement Division

Mr. Mike Saladen
Water Resource Specialist
Surface Water Quality Bureau
New Mexico Environmental
Improvement Division

Mr. Leroy Apodaca Manager of Administration Molycorp, Inc., Questa Division

Scott G. Vail Environmental Coordinator Molycorp, Inc., Questa Division

bcc: Ellison (6W-EA) X2 Meacham (6X) Goetz (6X) Read File (6W-EA)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

IN THE MATTER OF \$ DOCKET NO. VI-90-1037

MOLYCORP, INC., QUESTA DIVISION \$

PROCEEDINGS UNDER SECTION 309(a)(3), \$

CLEAN WATER ACT, \$

[33 U.S.C. § 1319(a)(3)], \$ ADMINISTRATIVE ORDER
In RE: NPDES PERMIT NO. NM0022306 \$

The following FINDINGS are made and Order issued pursuant to the authority vested in the Administrator of the Environmental Protection Agency (EPA) by the above referenced statute (hereinafter the Act) and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6.

I.

Molycorp, Inc., Questa Division (hereinafter the Permittee) is a company in the State of New Mexico and located in Taos County, the mailing address which is P.O. Box 469, Questa, New Mexico 87556.

II.

Pursuant to the authority of Section 402(a)(1) of the Act, 33 U.S.C. § 1342, Region 6 issued National Pollutant Discharge Elimination System (NPDES) Permit No. NM0022306 to the Permittee on May 20, 1988, with an effective date of June 21, 1988. The permit authorizes the discharge of specified qualities and quantities of effluent to the receiving waters named Red River. The permit also requires the submission of Discharge Monitoring Reports (DMRs) and Noncompliance Reports.

Docket No. VI-90-1037 Page 2

III.

Section 301(a) of the Act, 33 U.S.C. § 1311(a) prohibits the discharge of any pollutant into the waters of the United States except insofar as such discharge is regulated by a permit issued pursuant to Section 402 of the Clean Water Act.

IV.

PERMIT FINDINGS

<u>Part I.A.</u> of the permit places certain limitations on the quantity <u>and</u> quality of effluent discharged by the Permittee. The relevant limitations follow:

Effluent Characteristics	Discharge Concentration Limitations
Total Manganese	1.0 mg/l daily avg.
Total Manganese	1.5 mg/l daily max.
Total Molybdenum	1.0 mg/l daily avg.
Total Molybdenum	2.0 mg/l daily max.
Effluent Characteristic	Discharge Loading Limitations
Total Molybdenum	25 lbs/day daily avg.
Total Molybdenum	50 lbs/day daily max.

<u>Part II.A.1.</u> of the permit states the Permittee's duty to comply, by providing that:

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Docket No. VI-90-1037 Page 3

<u>Part II.B.1.</u> of the permit requires proper operations and maintenance, by providing that:

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a Permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

<u>Part III.B.</u> of the permit concerns analysis and reporting and provides that:

Analysis and reporting for Outfalls 001 and 002 shall be accomplished separately for each outfall. In addition, the Permittee shall report the flow weighted average results for Outfalls 001 plus 002. Effluent limitations on weight of total molybdenum shall be the sum total for Outfalls 001 and 002. For determination of compliance with other effluent limitations the following shall apply:

- 1. Discharge from Outfall 001 shall be in compliance.
- 2. A composite sample of discharges from Outfalls 001 and 002 monitoring samples combined in flow weighted proportion shall be in compliance, except the concentration limits for molybdenum and manganese are suspended during periods of zero flow from Outfall 001.

During periods when no flow occurs from Outfall 001, monthly average reporting of concentration for molybdenum and manganese shall be based on the average of all composite samples obtained in the month for Outfalls 001 and 002; and monthly maximum reporting of concentration for molybdenum and manganese shall be based on the maximum composite sample obtained in that month for Outfalls 001 and 002. In conjunction with the DMR for each month, the Permittee shall report periods, if any, when no flow exists at Outfall 001.

(Emphasis added.)

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FINDINGS OF FACT

The Permittee reopened its mine and mill in October of 1989.

VI.

FINDINGS OF VIOLATION

Based on information provided by EPA, the New Mexico Environmental

Improvement Division, and the Permittee, the Regional Administrator,

through the Director of the Water Management Division, finds that the

Permittee has violated Section 301(a) of the Act, 33 U.S.C. 1311(a), and Parts

I.A., II.B.1. and III.C. of the permit.

<u>Violations of 33 U.S.C. 1311(a)</u> - Recent unpermitted discharges include:

Date

August 12, 1987	The Permittee discharged 9 to 24 gallons of diesel to the Red River. The discharge occurred from a value leak at the power plant wastewater tank. The pollutant reached the Red River.
January 11, 1990 .	The Permittee punched a hole in its tailings pipeline which allowed mine tailings to run into a nearby acequia, a water of the United States.
April 13, 1990	The Permittee's pipeline ruptured where a 12-inch pipeline was connected to a 10-inch pipline. The spill of mine tailings reached an acequia, a water of the United States.

<u>Violation</u>

Docket No. VI-90-1037 Page 5

<u>Violation of Part I.A.</u> - Recent violations of effluent limitation include:

Parameter		Date	Outfall <u>Average</u>	<u>Violations</u>
•	Total (avg.) Total (avg.)	May 31, 1990 June 1990		Est. 1.25 mg/l Est. 1.33 mg/l

<u>Violations of Part II.B.1.</u> - Recent violations of proper operations and maintenance requirements include:

<u>Date</u>	Violation
December 12, 1989	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when an underground tailings pipeline ruptured, allowing tailings seepage to surface on Embargo Road, north of State Highway 38.
January 3, 1990	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when pipeline broke at the sump pump station, within 30 yards of the Red River.
January 11, 1990	The Permittee failed to properly operate and/or maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when the Permittee punched a hole in the pipeline while working on it. The spill ran into a nearby acequia, a water of the United States.
April 13, 1990	The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred when a pipeline ruptured where a 12 inch pipeline was connected to a 10 inch pipeline.

Docket no. VI-90-1037 Page 6

Tailings from the spill covered an approximate area of 2 acres with tailings, to a depth of approximately 4 to 5 inches. The spill reached an acequia, a water of the United States. The spill flowed approximately one mile through the acequia, and ponded within 100 yards of of the Red River.

April 30, 1990

The Permittee failed to maintain its tailings pipeline, which is used to maintain compliance with its permit. The violation occurred a break occurred in tailings line number 1. The spill covered approximately 5000 square feet with tailings, to a depth of approximately 6 inches.

<u>Violation of Part III. C.</u> - Recent failure to report violations include:

<u>Date</u>	Violation
May 31, 1990	The Permittee did not report the flow weighted average results for Outfalls 001 plus 002, except for the total molybdenum loading.
June 1990	The Permittee did not report the flow weighted average results for Outfalls 001 plus 002, except for the total molybdenum loading.

VI.

Issuance of this Order does not preclude the pursuit of additional enforcement action including additional administrative penalty orders, and/or civil or criminal judicial actions for the violations cited herein. Failure to reach satisfactory solution to this matter at the meeting referenced under the ORDER portion of this document will result in an EPA administrative penalty or referral to the U.S. Department of Justice for judicial action with monetary fines.

ORDER

Based on the foregoing FINDINGS OF VIOLATION and pursuant to the authority vested in the Administrator under Section 309(a)(3) of the Act, 33 U.S.C. § 1319(a)(3), and duly delegated to the Regional Administrator, Region 6, and duly redelegated to the undersigned Director, Water Management Division, Region 6, it is ordered:

- A. That the Permittee, within thirty (30) days of the effective date of this Order, shall take whatever corrective action is necessary to eliminate and prevent recurrence of the violations cited in the FINDINGS OF VIOLATION. In addition, the Permittee shall, within thirty (30) days, of the effective date of this Order, submit a report detailing the specific actions taken and why such actions are sufficient to prevent recurrence of the cited violations.
- B. In the event the Permittee believes that complete correction of the previously cited noncomplying discharges is not physically possible within thirty (30) days of the effective date of this Order, the Permittee shall submit, within thirty (30) days, of the effective date of this Order, a comprehensive plan for the expeditious elimination and prevention of such noncomplying discharges. Such plan shall provide for specific corrective actions to be taken and shall include a critical path schedule for the achievement of compliance within the shortest time possible.

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- C. That the Permittee appear at the Region 6 offices of the United States EPA, 1445 Ross Avenue, 12th Floor, Dallas, Texas, before the undersigned or designee, to show cause why the Permittee has not complied with the mandate of Section 301 of the Act and to show cause why the EPA should not take further enforcement action against the Permittee.
- D. The Permittee shall arrange a meeting with EPA to be held within thirty (30) days of the effective date of this Order. The Permittee shall submit all written material relevant to the previously mentioned issues on which it intends to make its showing at least ten (10) days prior to the scheduled meeting. Concurrently with such material, the Permittee shall submit to the EPA any proposed compliance schedule for achieving complete compliance with the permit. The information to be submitted shall include, but not be limited to, the following:
 - 1. Schedule and cost of pipeline replacement since October 1989 and planned pipeline replacement.
 - 2. Cost to Permittee of ultrasonic testing to determine pipeline soundness.
 - 3. Schedule to clean up any remaining spill sites, not yet cleaned, and the date other spill sites were cleaned.
 - 4. Estimated volume of each spill and estimated volume of solids of each spill.

Docket No. VI-90-1037 Page 9

- 5. Whether the Permittee uses or has used any acequia for any purpose. If so, describe all uses.
- 6. Report the flow weighted average results, for both concentration and loading for outfalls 001 and 002 on each day of discharge from 001, since May 1, 1990.
- 7. Exact date milling operations began, under the current permit.
- 8. Planned discharge rates from Outfalls 001 and 002, under the current milling operations (3 months of milling, 3 months without milling).

To arrange the meeting and to provide any comments or questions concerning this matter, please contact Mr. Robert Fugate of our office at telephone (214) 655-6475.

The effective date of this Order shall be the date it is received by the Permittee.

DATED:	This AUG 2 1 1990	day of	, 1990.
	/s/ Myron Q. Kn ud	soņ	
Myron 0	. Knudson, P.E.		

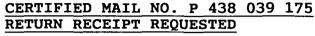
Director

Water Management Division (6W)





JAN 27 1991



January 24, 1991

Mr. Myron O. Knudson, P.E. Director Water Management Division (6W) U. S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Attention: Pam Teel

RE: Notice of Proposed Administrative Penalty Assessment, Docket No. VI-91-1617 NPDES Permit No. NM0022306 - Molycorp, Inc.

Dear Mr. Knudson:

I am in receipt of your January 15, 1991 letter concerning EPA's proposed administrative penalty assessment to Molycorp, Inc. Your letter offered the State of New Mexico an opportunity to confer with EPA regarding the proposed penalty assessment. Thank you for the opportunity to review the proposal and to request a conference. As you know, representatives the EID participated in the September 21, 1990 show cause meeting between the EPA and Molycorp.

We also had opportunity to discuss the case (as well as others) during the recent quarterly enforcement meeting with EPA. Therefore, we feel there is no need to request a formal conference. I would appreciate being kept up to date as EPA proceeds with the complaint. I can be reached at (505) 827-1087.

Sincerely,

Jim Piatt Acting Chief Surface Water Quality Bureau

JP:GES:lo

xc: Pam Teel, USEPA (6W-ET)
Rip Harwood Office of General

Rip Harwood, Office of General Counsel, HED

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NGR
6 - Correspondence
7 - CRAS

———Date Filed ———Clerk's Inits. HAEL J. BURKHART
Deputy Secretary

DENNIS BOYD

BRUCE KING

RICHARD MITZELFELT

PERMITTEE NAME/ADDRESS /Include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) Facility Name/Location if different) NAME MOLYCORP INC. OUESTA DIV. (2-16) ADDRESS P. O. BOX 469 NM0022306 001 A PROCESS WATER PERMIT NUMBER DISCHARGE NUMBER NM 87556 OUESTA no film tar 1992 tike month: MONITORING PERIOD FACILITY МО DAY YEAR МО DAY YEAR LOCATION MAJOR 92/2 IV2X DAL 9:14 31 NOTE: Read instructions before completing this form. ATTN: DAVID R SHOEMAKER, GEN. SUPT. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) QUANTITY OR LOADING QUALITY OR CONCENTRATION (3 Card Only) (4 Card Only) FREQUENCY NO. SAMPLE (38-45) (46-53) (54-61) PARAMETER (46-53) (54-61) ΕX TYPE (32-37)**ANALYSIS** MAXIMUM UNITS **AVERAGE AVERAGE** MAXIMUM UNITS MINIMUM (62-63) (64-68) (69-70)OXYGEN DEMAND, CHEM. *** *** *** SAMPLE MEASUREMENT (HIGH LEVEL) (COD) 60 00340 1 0 0 PERMIT **** ***** **** * WEEKLYCOMPOS REQUIREMENT *** DAILY MX MG/L. EFFLUENT GROSS VALUE DAILY AV **** *** **** PH SAMPLE MEASUREMENT WEEKLYGRAB ***** ****** ***** 100400 1 0 PERMIT 6.0 9.0 REQUIREMENT EFFLUENT GROSS VALUE A Park Street *** MUMINIM MUNIXAM SU *** *** *** SOLIDS, TOTAL SAMPLE MEASUREMENT SUSPENDED PERMIT *** ****** **** **水水水水水水 *** 20 ° 30 . WEEKLY COMPOS 00530 1 0 0 REQUIREMENT EFFLUENT GROSS VALUE **** DAILY MX MG/L DAILY AV CYANIDE, TOTAL *** *** *** SAMPLE. MEASUREMENT (AS CN) 1 0 0 **** ***** ***** *** 0.025 00720 PERMIT TWICE/COMPOS REQUIREMENT *** EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L WEEK FLUORIDE, TOTAL *** *** **** *** SAMPLE MEASUREMENT 1 - Permit/CD (AS F) 2 # MO Shall :: 3.0 WEEKLYCOMPOS 00951 1 0 0 *** *** 4. ************ PERMIT REQUIREMENT વ . DMR'S ≱≄≄≄ ANTACA ON EFFLUENT GROSS VALUE DATLY MX MG/L 4 - VipuSum. Log *** ARSENIC, TOTAL SAMPLE MEASUREMENT 5 - NCR (AS AS) 63-Correspondence 1.0 0.5 01002 1 0 0 PERMIT **** ******** WEEKLY COMPOS REQUIREMENT 7 - CRAS | 🕳 🕳 🚓 EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L *** *** *** CADMIUM. TOTAL SAMPLE Clerk's Inits. MEASUREMENT (AS CD) 1 0 0 **** ananan darah **** *** WEEKLYCOMPOS 01027 PERMIT 0.05 REQUIREMENT EFFLUENT GROSS VALU DATLY MX MG/L I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 131 LISC. NAME/TITLE PRINCIPAL EXECUTIVE OFFICER . TELEPHONE DATE David R. Shoemaker Mine Manager 503 586 760L 92 01 10 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT NUMBER YFAR TYPED OR PRINTED MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

- 1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
- 2. Enter "Permittee Name/Mailing Address (and facility name/location, if different)," "Permit Number," and "Discharge Number" where indicated. (A separate form is required for each discharge.)
- 3. Enter dates beginning and ending "Monitoring Period" covered by form where indicated.
- 4. Enter each "Parameter" as specified in monitoring requirements of permit.
- 5. Enter "Sample Measurement" data for each parameter under "Quantity" and "Quality" in units specified in permit. "Average" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "Monitoring Period"; "Maximum" and "Minimum" are normally extreme high and low measurements obtained during "Monitoring Period." (Note to municipals with secondary treatment requirement: Enter 30-day average of sample measurements under "Average," and enter maximum 7-day average of sample measurements obtained during monitoring period under "Maximum.")
- 6. Enter "Permit Requirement" for each parameter under "Quantity" and "Quality" as specified in permit.
- 7. Under "No Ex" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "O."
- 8. Enter "Frequency of Analysis" both as "Sample Measurement" (actual frequency of sampling and analysis used during monitoring period) and as "Permit Requirement" specified in permit. (e.g., Enter "Cont," for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
- 9. Enter "Sample Type" both as "Sample Measurement" (actual sample type used during monitoring period) and as "Permit Requirement," (e.g., Enter "Grab" for individual sample, "24HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)
- 10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
- 11. If "no discharge" occurs during monitoring period, enter "No Discharge" across form in place of data entry.
- 12. Enter "Name/Title of Principal Executive Officer" with "Signature of Principal Executive Officer of Authorized Agent," "Telephone Number," and "Date" at bottom of form.
- 13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
- 14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed \$10,000 per day of violation; or in criminal penalties not to exceed \$25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)			NATIONAL POLI DISC	LUTANT DISCH HARGE MON	IARGE ELIMINATION SYS NITORING REPORT (D	STEM <i>(NPDES)</i> DMR)									
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC OUESTA DIV			`	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) F - FINAL									•				
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FACILITY				.		MON	ITORING	G PERIO	D		-14-14 - (4	•	1	-			
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ATIN: DAVID R SHOEMA	Aca, 6	·EN•		UANTITY OR	(20-21)		(4 Card C		(28-29) (30-31) QUALITY OR	CONCENTRATION	The second second	CONTRACT TO SERVICE STREET	一一		\top		
PARAMETER			(46-53)	(54-61		(38-		,	(46-53)	(54-6)) All	J 1.	NO.	FREQUENC	1 07.	SAMPLE TYPE	
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TYPED OR PRINTED		and or ma	aximum imprisonment of	between 6 month	s and 5 years	iciaue jines up	, 10 \$10,000	OF	ICER OR AUTH	ORIZED AGENT	AREA CODE	NUME	BER	YEAR	мо	DAY	
COMMENT AND EXPLANATION OF ANY V	IOLATIONS ((Referen	nce all attachments her	re)													

33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

IS TRUE, ACCURATE AND COMPLETE, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING

THE POSSIBILITY OF FINE AND IMPRISONMENT' SEE 18 U.S.C \$ 1001 AND

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SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

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Facility Name/Location if different	DISCHA	ARGE MOI	HARGE ELIMINATION NITORING REPO		STARRE	MED	-		•		
NAME MOLYCORP INC. ((2-16)		(17-19) M	AJORRECOM	Approvéd	T				
OUESTA NM 87556				22306		02 A		No. 2040-			
OUESIK		MH 6/339.	PERMI	HOMBER	. Disch	1	- FINALAPPI EEPAGEATAT	1992	70-3	U-31.	
FACILITY			V	MONI.	TORING PERIC	OD 3	EEPAGE TAT	BING. I	PU	n n n n e e	
LOCATION			FROM YEAR	12	1 TO YEAR 91	MO DAY 12 31 ☆	** NO DESC	UA-DC P	 	***	
ATTN: DAVID R SHOEMA	KER, GEN	• SUPT•	· [(22-23) (24-		28-29) (30-31) N	OTE: Read instruc	tions before	e com		s form.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN	G	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO.	FREQUENC)	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS (64-68)	(69-70)
COPPER, TOTAL		****	****	(mg/L)	****	less than	less than			(04-00)	(0)-70)
(AS CU)	SAMPLE MEASUREMENT			(-7//-)		.03	.03	(2)	0	1/WK	COMPOS
01042 1 0 0	PERMIT	*****	******	****	*****	0.15	0.30			DNCE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY MX	MG/L		MONTH	
IRON, TOTAL	SAMPLE .	****	****	(Mg/L)	****	****		(19)	. Oa		
(AS FE)	MEASUREMENT						0.199		39	1/WK	COM
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EFFLUENT GROSS VALUE	REGUIREMENT			***			DAILY MX				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	(mg/L)	****	less than	less than	(*19)	0	1/WK	сомроѕ
01051 1 0 0	PERMIT	*****	*****	***	****	0.3	0.5			ONCE/	COMPOS
EFFLUENT GROSS VALUE				****		DAILY AV		MG/L		MONTH	
MANGANESE, TOTAL	SAMPLE	****	****	(mg/L)	*****			(:19)			
(AS MN)	MEASUREMENT			1.3//		1.52	1.61		0	1/WK	COMPOS
01055 1 0 0	PERMIT	****	*****	***	****	REPORT	REPORT			ONCE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY MX	MG/L		MONTH	
MOLYBDENUM, TOTAL	SAMPLE MEASUREMENT	****	***	(M/L)	****	İ		(:19)	;	•	
(AS MO):	MEASUREMENT					1.70	1.71		0		COMPOS
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EFFLUENT GROSS VALUE		*****	****	****		DAILY AV	DAILY MX			<u>HONTH</u>	
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT		ماد ماد ماد ماد ماد	(994)	****	****	015	(-19)	0	1/WK	COM
01092 1 0 0		*****	*****	***	22222	*****	.015	-		000000000000000000000000000000000000000	30 900000000000 A00
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		• • • • • • • • • • • • • • • • • • • •	****			DAILY MX	MC/I		JUCE/ MONTH	
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50050 1 0 0	PERMIT	REPORT	REPORT		400000	****	****	****		DATLY	ESTIMA
EFFLUENT GROSS VALUE	REQUIREMENT	DAILY AV		MGD:				***			
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TOWNSHIP AND EASTAINED OF ANY		,	- ·								

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FORM EXCEPT IN TRACE AMOUNTS.

TERMITTEE NAME (ADDRESS (Include Cacility Name/Location if different)		DISCHA	RGE MON	HARGE ELIMINATION NITORING REPO	RT (DMR)	33.70n. –					
ADDRESS P. O. BOX 469		(2-16) (17-19) MAJOR Form Approved. NM0022306 002 A P@MBr.Np. 2040_0004.									
OUESTA		NM 87556		TNUMBER			PI-NATADI	proval expires	6-30-91.		
						- :	EEPAGE TA	ILING9ZM	POUNDA	ENT	
ACILITY			YEAR	MO DA	FORING PERIC	MO DAY	JAN	1 4 199Z	1	*	
OCATION		·			1 70 591	12 31 *	AND DIS		∐। ∤*		
ATTN: DAVID R SHOEM	KER, GEN			(22-23) (24-2		/	NOTE: Read-instru	T 63 (D 1)	completing	this form	1.
PARAMETER		(3 Card Only) QU/ (46-53)	ANTITY OR LOADIN (54-61)	G .	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION ()		NO. FREQUI	1 770	PLE PE
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NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY OF	OF LAW THAT I HAVE INFORMATION SUBMITTI	PERSONALLY	EXAMINED ID BASED	· ·	1	TELEPHONE		DATE	
David R. Shoema	To To OBTAIN	Y INQUIRY OF THOSE NING THE INFORMATIO	INDIVIDUALS IMMEDIAT N. I BELIEVE THE SU	ELY RESPONS	IBLE FOR COMMATION	<i>i</i>	1				
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THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

Facility Name/Location if different)	OUESTS DI	W	DISCHA		NITORING REPO	RT (DMR)	MAJOR FOR			٠
ADDRESS P. O. BOK 469	<u> 200314 DI</u>			22306	S	UM A.	Rem	n-Aporoved. BIN6. 2040-000	14	
<u> OUESTA</u>		NM 87556		TNUMBER				roval expires 6		
				MONI	TORING PERIC	<u> </u>	SUN TOTAMNE	P3 1992 E	002	
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ATTN: DAVID R SHOEM	AKER, GEN			(22-23) (24-		28-29) (30-31)	NOTE: Read instru		mpleting th	s form.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CO (46-53)	NCENTRATION (54-61)	NC		
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-6	ANALYSIS	(69-70)
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.38	5.96	(26)	****	****	* *****	(155/) DAY 0	1/WK	COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/D	\$\$\$\$\$\$ [*****	*****	****	HEEKLY	COMPOS
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY O M FAMILIAR WITH THE	INFORMATION SUBMITTE	ED HEREIN: AN	ID BASED	1	ı 📙	TELEPHONE	D A	TE
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	33 U S	OSSIBILITY OF FINE AN C § 1319. (Penalties und maximum imprisonment of	er these statutes may in	clude fines up	to \$10,000 SIGNAT		AL EXECUTIVE 505	586 76		1 10
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY				rw13./	OFFI	CER OR AUTHOR	COD	NUMBER	YEAR I	O DAY
MOLYBDENUM - AVG 6		PRECEEDING.								

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)			NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)							Form Approved. OMB No. 2040-0004		
NAME MOLYCORP INC. Q	OFZIN DIA	<u> </u>	· ———	(2-16) 22306		(17-19)	ow weighted	SEN /EF	AF	proval expir		
ADDRESS P. O. BOX 469QUESTA		M 87556	- (\	MIT NUMBER			ow weighted mposite 001+			To the state of th		
	 ·		k	MON	ITORING PERIOD		· 11 - 11	1 4 1992	ji N	encompet (
FACILITY			YEAR		DAY YEAR	MO DAY	у г	1 4 1002	Ì	ĺ		
LOCATION			. FROM 91	12^{\sim} ()1 TO 913	12. 7 . 74.	AJOR	To the same of the same	. Ú			
ATIN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24			IOTE: Read instruc		compi	eting this	form.	
PARAMETER		(46-53)	ANTITY OR LOADING (54-61)	о Т	(4 Card Only) (38-45)	(46-53)	ENTRATION (54-61)		EX	REQUENCY OF	SAMPLE TYPE	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	62-63)	ANALYSIS (64-68)	(69-70)	
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****		****		·					
00340 1 0 0 EFFLUENT GROSS VALUE	PERMIT.	****	****	***	****	DAILY AV	90 DAILY MX	NG/L	- (F	BEKLY	COMPOS	
PH	SAMPLE MEASUREMENT	****	****			****	·					
00400 1 0 0 PEFFLUENT GROSS VALUE	PERMIT. REQUIREMENT	*****	*****	***	AINIHOM	***	9.0 MAXIMUM	SU		EEKLY	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	***	***		***							
00530 1 0 0 EPPLUENT GROSS VALUE	PERMIT AREQUIREMENT	****	*****	***	****	20 DAILY AV	30 DAILY MX	MG/L	13	BEKLY	COMPOS	
CYANIDE, TOTAL (AS. CN)	SAMPLE MEASUREMENT	***	****		****							
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	***	*****	0.025 DAILY AV	DAILY MX	MG/L	2. 4	WICE/ WEEK	COMPOS	
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	***	***		****	****						
00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT AND REQUIREMENT	****	****	***	****	****	3.0 DAILY MX	MG/L	*	BEKLY	COMPOS	
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	****	****		*****							
01002 1 0 0 EFFLUENT GROSS VALUE	REQUIREMENT	*****	***	***	*****	O.5 DAILY AV	1.0 DAILY MX	MG/L	. 6	BEKLY	COMPOS	
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	*****	***		****	***					žibara.	
01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT **	****	***	***	*****	*****	0.05 DAILY MX	MG/L	¥	EEKLY	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER CERTI	FY UNDER PENALTY OF	F LAW THAT I HAVE F	PERSONALLY	EXAMINED		1	TELEPHONE		DA	ATE .	
David R. Shoemaker	ON MY OBTAIN	I FAMILIAR WITH THE IN INQUIRY OF THOSE IN ING THE INFORMATION	NDIVIDUALS IMMEDIAT N. I BELIEVE THE SU	ELY RESPON	ISIBLE FOR CORMATION	λ	La	N-427 ,5X-				
Mine Manager	NIFICAN THE PO	ACCURATE AND CONT PENALTIES FOR SU SSIBILITY OF FINE AND	d imprisonment. Sei	E 18 U.S.C. §	1001 AND L SIGNA	TURE OF PRINCIPAL	EXECUTIVE 505		1. 1	92 0	1 10	
TYPED OR PRINTED	and or me	C. § 1319. (Penalties un aximum imprisonment of be	tween 6 months and 5 year	nctuae Jines up s.)	n ta situ.(KKI L	ICER OR AUTHORIZE		A NUMBER	R	YEAR I	MO DAY	
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Referen	nce all attachments here)		-			-				•	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Form Approved. Pacility Name/Location if different)
NAME MOLYCORP INC. QUESTA DIV. DISCHARGE MONITORING REPORT (DMR) OMB No. 2040-0004 (2-16)(17-19)Frow weighted Approval expires 6-30-91 NM0022306 ADDRESS P. O. BOX 469 COMPOSITE 0014002 NH 87556 QUESTA PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD FACILITY YEAR DAY YEAR MQ DAY **FROM** MAJOR LOCATION 0.1 91 1-2 31 ATTH: DAVID R SHOEMAKER. GEN. SUPT. NOTE: Read instructions before completing this form. (26-27) (30-31) (20-21) (22-23) (24-25) (28-29) QUALITY OR CONCENTRATION (46-53) (54-61) (3 Card Only) QUANTITY OR LOADING (4 Card Only) "ÔИ. REQUENCY SAMPLE (38-45)PARAMETER (46-53)(54-61)OF EX TYPE **ANALYSIS** (32-37)AVERAGE 17 **MAXIMUM** UNITS **MAXIMUM** MINIMUM **AVERAGE** UNITS (62-63) (69-70) (64-68) **** 22222 *** COPPER, TOTAL SAMPLE MEASUREMENT (AS CU) 0 0 *** *********** *** 0.30 PERLYCOHPOS 01042 1 0.15 PERMIT REQUIREMENT *** DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** **** *** IRON. TOTAL *** SAMPLE MEASUREMENT (AS FE) : *** **** 15 0 · 6 01045 1 0 0 *** - なななななな スペンタ **VEEKLY COMPOS** PERMIT REQUIREMENT **** DAILY MX MG/L EFFLUENT GROSS VALUE *** *** *** LEAD. TOTAL SAMPLE MEASUREMENT (AS PB) WEEKLYCOMPOS *** 0:0 *** ದಿವಿದ್ದದ್ದರೆ ಬೆಳಿತಿದ 0.3 0.6 01051 1 PERMIT REQUIREMENT *** DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** MANGANESE, TOTAL *** *** SAMPLE MEASUREMENT (AS MN) *** **** 1.5 0 0 *** · 1.0 c WEEKLICOMPOS 01055 1 PERMIT. REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DATLY MX MG/L **** MOLYBDENUM, TOTAL **** **** SAMPLE MEASUREMENT (AS MO) 01062 1 0 0 *** *** **** 1.0 t 2.0 PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L *** 立立立立立なな *** なかなななな ZINC. TOTAL SAMPLE MEASUREMENT (AS. ZN) *** 01092 1 0 0 *** 水众众众众众 ななな *** 2/ Say 0 1 2 BEEKLYCOMPOS PERMIT REQUIREMENT *** DATLY EPFLUENT GROSS VALUE MG/L *** FLOW, IN CONDUIT OR *** *** SAMPLE MEASUREMENT THRU TREATMENT PLANT 立立立立立立 立位位 拉拉拉 **** CONTINTOTALZ 50050 1 0 0 REPORT REPORT PERMIT REQUIREMENT *** UOUS EFFLUENT GROSS VALUE DAILY DATLY MGD NAME/TITLE PRINCIPAL EXECUTIVE OFFICER CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR David R. Shoemaker OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) Mine Manager 1505 [586-7601 92 01 10 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT TYPED OR PRINTED NUMBER YEAR MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

2 OF

FERMITTED NAME (ADDRESS (Include Facility Name / Location if different) NAME MOLYCORP INC. 0 ADDRESS P. O. BOX 469	·	DISC	HARGE MON (2-16)		MR) (17-19)	RECENTAGE TOWN	/En	Form Approved. OMB No. 2040-0004 Approval expires 6-30					
QUESTA	M 87556	- N ~ 	IIT NUMBER	TORING PERIOD		low-weighte composite 00 JAN 4)1+002	OF THE PROPERTY.					
ACILITY			FROM 9	MO D/		MO DAY 12 (31)	AJOR		Ĭ				
ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-2	25) (26-27) (2	18-29) (30-31)	NOTE: Read instr		e com	pleting thi	s form.		
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PERMITTEE NAME/ADDRESS (Include NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR) Facility Name/Location if different) MOLYCORP INC. QUESTA DIV. F -: FINAL (2-16)(17-19)ADDRESS P. O. BOX 469 NM0022306 001 A PROCESS MATER NM-87556 PERMIT NUMBER DISCHARGE NUMBER **QUESTA** NO FLOW FOREENTIRED MONTH MONITORING PERIOD **FACILITY** DAY YEAR DAY YEAR MO МО LOCATION MAJOR UI 91 TT91 \mathbf{II} 30 NOTE: Read instructions before completing this form. ATTN: DAVID R SHOEMAKER. GEN. SUPT. (22-23) (24-25) (20-21) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION NO. FREQUENCY SAMPLE (46-53) (54-61)PARAMETER (54-61)(38-45)(46-53)EΧ TYPE (32-37)ANALYSIS **AVERAGE** MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (69-70) (62-63 (64-68)OXYGEN DEMAND, CHEM. **** *** **** SAMPLE MEASUREMENT (HIGH LEVEL) (COD) 90 ******** **** 00340 1 0 0 PERMIT *** - 60 WEEKLYCOMPOS REQUIREMENT EFFLUENT GROSS VALUE *** A 44 1 7 8 1 1 1 DAILY AV DAILY MX MG/L PΗ **** *** **法法法法法法**法 SAMPLE MEASUREMENT *** **** 00400 1 6.0 **** 9.0 WEEKLYGRAB PERMIT. REQUIREMENT 19. *** EFFLUENT GROSS VALUE · 6.44 MINIMUM MUMIXAN SU 7 % We k SOLIDS, TOTAL **** **** **** SAMPLE MEASUREMENT SUSPENDED *** *** 00530 1 0 0 20 30 WEEKLYCOMPOS PERMIT REQUIREMENT 4-10-4 B. A. P. A. P. A. *** EFFLUENT GROSS VALUE DAILY AV - DAILY MX MG/L CYANIDE, TOTAL **** *** *** SAMPLE MEASUREMENT (AS CN) 1 0 0 **** **** **** 0.05 TWICE/COMPOS 00720 PERMIT *** ..0.025 Permit/CD REQUIREMENT DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** WEEK *** FLUORIDE, TOTAL **** SAMPLE MEASUREMENT (AS F) 00951 1 0 0 PERMIT *** *** 3.0 NEEKLYCOMPOS REQUIREMENT **** EFFLUENT GROSS VALUE DAILY MX MG/L ARSENIC, TOTAL *** SAMPLE CRAS MEASUREMENT (AS AS) ***** Date Filed Clerk's Thise **** 0.5 1.0 01002 1 *** 0 0 PERMIT: × PERLYCOMPOS REQUIREMENT EFFLUENT GROSS VALUE *** DAILY MX MG/L DATLY AV CADMIUM, TOTAL ******* *** *** **** SAMPLE. MEASUREMENT (AS CD) PERMIT **** *** *** 0 0 *** **** 0.05 01027 1 WEEKLYCOMPOS REQUIREMENT DATLY MX EFFLUENT GROSS VALU MG/L NAME/TITLE PRINCIPAL EXECUTIVE OFFICER **TELEPHONE** DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR David R. Shoemaker OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND Mine Manager 91 12 5 505 586-7601 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 OFFICER OR AUTHORIZED AGENT TYPED OR PRINTED and or maximum imprisonment of between 6 months and 5 years.) NUMBER YEAR MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Facility Name/Location if different) DISCHARGE MONITORING REPORT (DMR) NAME MOLYCORP INC. OUESTA DIV. ROLAM 12-161 (17-19) Form Approved. ADDRESS P. O. BOX 469 NM0022306 002 A OMB No. 2040-0004-OUESTA NM 87556 F - FINA IApproval expires 6-30-91 PERMIT NUMBER DISCHARGE NUMBER SEEPAGE TAILING IMPOUNDMENT MONITORING PERIOD FACILITY YEAR YEAR MO DAY DAY FROM *** NO DISCHARG LOCATION 91 11 30 91 NOTE: Read instructions before completing this form. ATTN: DAVID R SHOEMAKER, GEN. SUPT. (22-23) (24-25) (20-21) (26-27) (28-29) /30-311 QUALITY OR CONCENTRATION Card Only) QUANTITY OR LOADING (4 Card Only) FREQUENCY SAMPLE NO. (54-61) (38-45)PARAMETER (46-53)(46-53)(54-61) OF ANALYSIS TYPE (32-37)AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (69-70) 62-63) (64-68)OXYGEN DEMAND, CHEM. **** *** *** (:19) (WEIL) SAMPLE 4.25 10.0 Compos 1/WK MEASUREMENT (HIGH: LEVEL) [(COD) 00340 1 0 0 *** **** **** 50 90 DNCE/ COMPOS PERMIT REQUIREMENT *** EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L MONTH PH 法法法法法法 **** *** (:12)(SU) SAMPLE 7.3 7.4 GR MEASUREMENT IIWK 00400: 1: 0: 0: **** **** 6.0 **** 9.0 PERMIT REQUIREMENT DNCE/ GRAB *** EFFLUENT GROSS VALUE MINIMUM MUNIXAM SU MONTH **** **** SOLIDS. TOTAL *** (19)(WELL) SAMPLE 2.40 5.0 Compos MEASUREMENT 11WK SUSPENDED 00530 1 0 0 ***** **** **** **** 20 30 DNCE/ PERMIT REQUIREMENT COMPOS *** EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L MONTH CYANIDE, TOTAL **** *** *** (-19)(MGIL) SAMPLE 0.0023 0.0035 MEASUREMENT 1 WK ComPos (AS.CN) 00720 1 0 0 ***** *** **** 0.025 0.05 PERMIT REQUIREMENT DNCE/ COMPOS *** EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L MONTH *** **** FLUORIDE, TOTAL **** **** (19)SAMPLE (WELL) IIWK 2.0 MEASUREMENT Campos (AS F) -00951 1 0 0 **** arrara *** **** **** 3.0 DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALU *** DAILY MX MG/L MONTH **** ***** **** Less than less than ARSENIC. TOTAL (MG/L) (°19) SAMPLE Comp 11WK MEASUREMENT 0.01 0.01 (AS AS) 01002 1 0 0 ***** **** **** 0.5 1.0 DNCE/ PERMIT REQUIREMENT 00 M Pro-*** EFFLUENT GROSS VALU DAILY AV DAILY MX MG/L HONTH CADMIUM. TOTAL **** **** *** **** Less than (MG/L) (-19)SAMPLE 0 MEASUREMENT 1 WK Compos 0.02 (AS CD) 01027 1 0 0 ***** ###### **** **** *** 0.05 DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE **** MONTH DATEY MX NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR David R. Shoemaker OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIG Mire Manager NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. \$ 1001 AND 91 5 505 | 586-7601 12 SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 AREA and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT NUMBER YEAR MO DAY TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include

OF

Facility Name/Location if different) DISCHARGE MONITORING REPORT (DMR) MOLYCORP INC. OUESTA DIV. Form Approved (2-16) (17-19)MAJOR. ADDRESS P. O. BOX 469 OMB No. 2040-0004. NM0022306 002 A F - FINA IApproval expires 6-30-91. OUESTA! NM 87556 PERMIT NUMBER DISCHARGE NUMBER SEEPAGE TAILING FO MONITORING PERIOD PACILITY YEAR MO DAY YEAR MO DAY LOCATION FROM *** NO DISCHARGE | | *** 91 11 91 \mathbf{II} 30 NOTE: Read instructions before completing this form. ATTN: DAVID R SHOEMAKER, GEN. SUPT. (20-21) (22-23) (24-25) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING QUALITY OR CONCENTRATION (4 Card Only) FREQUENCY SAMPLE PARAMETER (46-53)(54-61)(38-45)(46-53)(54-61)OF ANALYSIS TYPE (32-37) MAXIMUM AVERAGE MAXIMUM UNITS MINIMUM AVERAGE UNITS (64-68) (69-70)(62-63) *** **** **** COPPER, TOTAL Less than Less than (19)(me/L) SAMPLE 1/Wk Compos MEASUREMENT _(AS CU) 50.0 0.03 *** accuse took **** 01042 1 0 0 0.15 0.30 DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L MONTH IRON. TOTAL **** *** *** **** (19)(MG/L) SAMPLE 0.24 1/WK ComMEASUREMENT (AS FE) 0 0 01045 1 **** acces access **** **** 0.6 RESKLYCOMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY MX MG/L LEAD. TOTAL **** **** **** Less than (me/L) Less than (119) SAMPLE Compos MEASUREMENT 1/WK (AS PB) 0.1 1.0 andaka kaka ***** 01051 0 0 **** 0.3 0.6 PERMIT DRCE/ COMPOS REQUIREMENT **** EFFLUENT GROSS VALU DAILY MX MG/L DAILY AV MONTH (:19)₀ MANGANESE, TOTAL **** *** **** (MG/L) SAMPLE 1.40 1.50 1 WK MEASUREMENT Compos (AS MN) 01055 1 0 0 **** **** *** **** PERMIT REQUIREMENT REPORT REPORT ONCE/ COMPOS EFFLUENT GROSS VALUE **** DAILY AV DAILY MX MG/L MONTH MOLYBDENUM, TOTAL **** **** **** (WeIT) (.19)SAMPLE 1.93 1.87 MEASUREMENT IWK Compos (AS MO) 01062 1 0 0 *** **** *** **** REPORT REPORT PERMIT DNCE/ COMPOS REQUIREMENT EFFLUENT GROSS VALU *** DAILY AV DAILY MX MG/L MONTH **** **** **** ZINC, TOTAL *** (me/L) $(\cdot 19)$ SAMPLE 0.02 MEASUREMENT IIWK Comp _(AS ZN) 01092 1 0 0 ***** access teas **** ***** 0.2 PERMIT REQUIREMENT ONCE/ COMPES EFFLUENT GROSS VALU *** DAILY HX MG/L MONTH FLOW. IN CONDUIT OR **** (:03)**** **** (MGD) SAMPLE 0.415 0.427 0 DAILY ESTIM MEASUREMENT THRU TREATMENT PLANS 50050 1 0 0 REPORT REPORT *** **** actes tota PERMIT DAILY ESTIMA REQUIREMENT EFFLUENT GROSS VALUE DATLY AV DAILY MX *** NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR David R. Shoemaker OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION 91 IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING Mira Manager 505 10 12 5 THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C \$ 1001 AND 586-7601 SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 AREA and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT NUMBER TYPED OR PRINTED YEAR MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SEE PERMIT PART IIITFOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

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PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different) NAME NOLYCORP INC.	OTESTA DE		DISCHA		NITORING REPO	RT (DMR)	MAJOR For				
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David R. Shoemaker Mine Manager	OBTAIN IS TRU	' INQUIRY OF THOSE ING THE INFORMATION IE, ACCURATE AND COI NT PENALTIES FOR S	I, I BELIEVE THE SU MPLETE. I AM AWARE	BMITTED INFO	ORMATION ARE SIG	in a / ha	enales	•			
1 I wager	THE PC	DSSIBILITY OF FINE ANI C § 1319. (Penalties und	D IMPRISONMENT SEE er these statutes may in	18 U.S.C § 1 clude fines up	OOI AND SIGNATI	URE OF PRINCIPA		5 586-7	601	91 1	a 5
TYPED OR PRINTED	and or	maximum imprisonment of	between 6 months and 5 y			CER OR AUTHORI	ZED AGENT ARE	A NUMB	ER	YEAR N	MO DAY
COMMENT AND EXPLANATION OF ANY					•						
SEE PERMIT PART III	FOR FURTH	IER REQUIRE	MENTS.		-						

THERE SHALL BE NO DISCHARGE OF PLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

Facility Name/Location if different) NAME MOLYCORP INC.	DUESTA DIV	74	DISCHA		NITORING REPO	RT (DMR)	AJOR Form	n Approved.		
ADDRESS P. O. BOX 469			NMOO			UM A	1 011	3 No. 2040-000	45.0 a	
QUESTA		NM 87556-	- ~	TNUMBER		ARGE NUMBER	- PINALAPP	roval expires_6	30:91	
			-//× L	MONI	TORING PERIC	S S	UM TOTAL F		1	
PACILITY			YEAR	MO DA		MO DAY		DEC 1 Q-1	991	
LOCATION	L P P P P P P P P P P P P P P P P P P P		- FROM 91	i	70 91		** NO DISC IOTE: Read instruction IOTE			
ATTN: DAVID R SHOEMI	IABH, GEN		(20-21) INTITY OR LOADIN	(22-23) (24-	25) (26-27) (2 (4 Card Only)	28-29) (30-31) N				
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	NO:	FREQUEN	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-63	1	
MOLYBDENUM, TOTAL (AS MO)	, SAMPLE MEASUREMENT	6.59	6.63	(≥ 26)	****	*****	****	(Ibs/Doly O	1/wk	
01062 1 0 0 EFFLUENT GROSS VALUI	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/D	*****	****	*****	****	MEEKI	YCOMPOS
:	SAMPLE MEASUREMENT		_					·		
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David R. Shoemaker Mire Manager	OBTAIN IS TRU	/ INQUIRY OF THOSE IING THE INFORMATION JE. ACCURATE AND CO NT PENALTIES FOR S	N. I BELIEVE THE SU MPLETE, I AM AWARE	BMITTED INFO	ORMATION ARE SIG	will	huanalle			
	THE PO	OSSIBILITY OF FINE AN C § 1319. (Penalties und	D IMPRISONMENT SEE ler these statutes may in	18 U.S.C § 1	1001 AND SIGNATI	URE OF PRINCIPAL		586-7601	91	12 5
TYPED OR PRINTED		maximum imprisonment of	•	rears.i	OFFIC	CER OR AUTHORIZ	ED AGENT ARE	NUMBER .	YEAR	MO DAY
MOLYBDENUM + AVG.		PRECEEDING.			•	·				
		ONTH ONLY.						· ·		

PERMITTEE NAME/ADDRESS (Include		•			HARGE ELIMINATION SYS		•	ľ	7 1 0 10	OLIVI	
Facility Name/Location if different) NAME • MOLYCORP INC • Q	UESTA DIV			HARGE MU! (2-16)	NITORING REPORT (D	мк) (17-19) F	- FINAL				1
ADDRESS P. O. BOX 469			NM002	2306			ROCESS WAT	e re		- 8 19	
QUESTA	N	M 87556	? 	IT NUMBER				1 1	• • •		"
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FACILITY			`	MON	IITORING PERIO	<u>'</u>	10 1 LOW 1		' '6	W-F \(\(\)	11
LOCATION		·	FROM YEAR		YEAR TO YEAR		AJOR	-			
	VED CEN						NOTE: Read instruc	tions.bofor	e comi	alatina thic	form
ATTN: DAVID R SHOEMA	ALA, GEA.		. (20-21) IANTITY OR LOADING	(22-23) (24	1-25) (26-27) ((4 Card Only)	28-29) (30-31) QUALITY OR CON		tions beloi	 i	<u>_</u>	,
PARAMETER -		(46-53)	(54-61)	•	(38-45)	(46-53)	(54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	МІМІМИМ	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
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EFFLUENT GROSS VALUE	REQUIREMENT			***		1	DAILY MX	MG/I.	1.43		
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NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER CERTI	FY UNDER PENALTY O	F LAW THAT I HAVE P	ERSONALLY	EXAMINED			TELEPHONE		D A	TE
David R. Shoemaker	ON MY	M FAMILIAR WITH THE I INQUIRY OF THOSE II IING THE INFORMATIO E, ACCURATE AND CO NT PENALTIES FOR SI	NDIVIDUALS IMMEDIATI	ELY RESPON	SIBLE FOR		1 /				
David K. Shoemaker	IS TRUI	E, ACCURATE AND CO	MPLETE. I AM AWARE	THAT THERE	E ARE SIG-	L ~ Dur	bena yer	- ,		ļ ,	
Mire Manager	I THE PC	DSSIBILITY OF FINE AN	D IMPRISONMENT. SEE	: 18 U.S.C. 9	1001 AND SIGNA	TURE OF PRINCIPAL	LEXECUTIVE 505	5 586-	7601	91 1	1 06
TYPED OR PRINTED		C. § 1319. (Penalties un aximum imprisonment of be			2 10 310.000	ICER OR AUTHORIZ		A NULLEAR		YEAR I	MO DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here,)					<u>- </u>		L	
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RECEIVED

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)					HARGE ELIMINATION SY NITORING REPORT (1						
NAME . MOLYCORP INC. O	UESTA DIV	! <u>• </u>	<u> </u>	(2-16)			- FINAL				
ADDRESS P. O. BOX 469			-/	<u> 22306 </u>			ROCESS WAT	ER			
OUESTA		im 87556_C	PERMPERM	AIT NUMBER	DISCH	HARGE NUMBER	•				
FACILITY			`	MON	ITORING PERIO	D N	o Flow Fo	R ENT	IRE	MONTH	4
LOCATION		<i></i>	FROM YEAR		AY TO YEAR 91	MO DAY M	AJOR				
ATTN: DAVID R SHOEMA	KER GEN	SIDT	_ FROM 91 (20-21)	(22-23) (24			NOTE: Read instruc	tions befor	re com	pleting this	form.
RIIW. DAVID A BROKERA	Man, our		JANTITY OR LOADING	, , ,	(4 Card Only)	QUALITY OR CONC			1	FREQUENCY	
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	· · · · · · · · · · · · · · · · · · ·	NO.	OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****		****						
01042 1 0 0	PERMIT # 4	****	*******	***	**	** * *0*15	0.30	†	872.A.C.s	WEEKLY	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DATLY AV	all as a surface of the first file.	MG/I.	* * * * * * * * * * * * * * * * * * *	1 2 2 1 2 1	701110.
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(AS FE)	MEASUREMENT	,	·		,						
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EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY MX	MG/L		·\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	33770
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****		****						
01051 1 0 0	PERMIT	*****	*****	***	*****	0.3	0.6			PEKLY	COMPO:
EFFLUENT GROSS VALUE	REQUIREMENT		. X. & &	***	herry ye	DAILY AV	DAILY MX	MG/L	(·		
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01055 1 0 0	PERMIT	*****	******	***	***	1.0	1.5	,		MEEKLY	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L			
MOLYBDENUM, TOTAL	SAMPLE	****	****		****			-			
(AS MO)	MEASUREMENT										
01062 1 0 0	PERMIT REQUIREMENT	***	****	***	****	1.0	2.0	,			
EFFLUENT GROSS VALUE	A WEGOINEMENT			****	Martin and Salar Land	7	■ DAILY MX	MG/L			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****		***	****					
01092 1 0 0	PERMIT	***	****	***	* ***	****	0.2			WEEKLY	COMPO
EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY MX	MG/L			
FLOW, IN CONDUIT OR	SAMPLE.				****	****	****				
THRU TREATMENT PLANT	MEASUREMENT			<u> </u>							
50050 1 0 0	PERMIT	REPORT	REPORT		***	****	, *******	****		CONTIN	TOTAL
EFFLUENT GROSS VALUE	REQUIREMENT.	DAILY AV	DAILY MX		-v		<u> </u>	***		DOUS	
NAME/TITLE PRINCIPAL EXECUTIVE OF	AND AN	M FAMILIAR WITH THE I	NEORMATION SUBMITT	ED HEREIN; A	ND BASED		1	TELEPHONE	<u>:</u>	D A	TE
David R. Shoemaker	OBTAIN	NING THE INFORMATION	N. I BELIEVE THE SU	BMITTED INF	ORMATION ARE SIG	المركز الأرا	ha la			·	,
Mine Manager	NIFICA THE PO	IFY UNDER PENALTY OF MEANING THE INFORMATION OF THE	UBMITTING FALSE INF	ORMATION, I	NCLUDING 1001 AND	TUDE OF PRINCIPAL	EVENUE 5	581	96Al	91 1	106
TYPED OR PRINTED		C. § 1319. (Penalties unaximum imprisonment of b	nuer inese statutes may ti	nciuae jines up		ATURE OF PRINCIPAL FICER OR AUTHORIZE			BER. C	1	NO DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	ence all attachments here	, 	<u> </u>			1 000	<u> </u>		1	Ti
							i		u _ :	2 1001	
					1		1		# (8 1991	
EPA Form 3320-1 (Rev. 9-88) Previous	editions may be	used	(REPLACES EPA	FORM T-40 WH	IICH MAY NOT BE USED.)				PAGE	OF
EL A LOUIN GOZO-L (NOV. 5-00) FIGNIOUS	outtons may be		the property	:		004	09/910215	0931	3W .	·EA	2

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Facility Name/Location if different) NAME MOLYCORPINC Q	HESTA DIV			HARGE MOI (2-16)	NITORING REPORT (1	DMR) (17-19)	F - FINAL				
ADDRESS P. O. BOX 469	<u> </u>		NH 002			01 A	PROCESS WA	TER			•
QUESTA		N 87556 N	_~ / /	IT NUMBER		HARGE NUMBER					
				MON	ITORING PERIO		No FLOW F	OR ENTI	RE	MONT	H '
FACILITY		- $ T$	YEAR		AY YEAR	MO DAY					
LOCATION			FROM 91		01 10 91	10 31	MAJOR				
ATTN: DAVID R SHOEMA	KER, GEN.			(22-23) (24		(28-29) (30-31)	NOTE: Read inst	ructions befor	e com	leting this	form.
PARAMETER		(3 Card Only) QL (46-53)	JANTITY OR LOADING (54-61)	į	(4 Card Only) (38-45)	QUALITY OR CO (46-53)	NCENTRATION (54-61)		NO.	FREQUENCY OF	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	****		* ****				·		
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT ** * REQUIREMENT **	****	******	*** ****		0.001 DAILY A	and the state of the following			ieekly	COMPOS
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	PERMIT REQUIREMENT			•	8 9 2 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RE	CEIVED				
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NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTI	IFY UNDER PENALTY C	F LAW THAT I HAVE P	ERSONALLY ED HEREIN; A	EXAMINED ND BASED		1	TELEPHONE		D /	ATE
David R. Shoemaker	ON MY OBTAIN	INQUIRY OF THOSE I	NDIVIDUALS IMMEDIATE N. I BELIEVE THE SUE	LY RESPONS	SIBLE FOR ORMATION	2 7	ha-	1			
Mine Manager	IS TRUI NIFICAL THE PO	E, ACCURATE AND CO NT PENALTIES FOR SI DSSIBILITY OF FINE AN	OF LAW THAT I HAVE P NFORMATION SUBMITH NDIVIDUALS IMMEDIATE IN. I BELIEVE THE SUBMPLETE. I AM AWARE UBMITTING FALSE INFO ID IMPRISONMENT. SEE	THAT THERE DRMATION, I 18 U.S.C. 8	CHE SIG-	THE OF POINCE	AL EXECUTIVE IS	05 586-7	601	91 1	1 06
TYPED OR PRINTED	33 0.3.	O. S 1010. (Feffattes at	nder these statutes may in etween 6 months and 5 years	сише јине ир		ATURE OF PRINCIF FICER OR AUTHOR	IZED AGENT	AREA		'	MO DAY
COMMENT AND EXPLANATION OF ANY V		<u> </u>		-				CODE			
	· -	,									

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different) NAMEMOLYCORP_INCQI	TECMA DIN			HARGE MOI	NITORING REPORT (D	MR)				OMB No. 204	
	TESTA DIA	<u> </u>	NM002	(2-16)		(17-19)	ow weighted			OMB No. 204 Approval expl	ros 6-30-91
ADDRESS P. O. BOX 469		M 87556	{ y	IT NUMBER	DISCH	ARGE NUMBER CO	MOOCTOR OOL	002			7
QUESTA		<u> </u>	() FERM	III NUMBER	Discr	ANGE NOMBER 1	MPOSITE 001+	002	107 -	- 8 199 1	
		+	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MON	ITORING PERIO				101	0 1001	
FACILITY			FROM YEAR	MQ D	AY TO YEAR	MO DAY	AJOR .				
ATTH: DAVID R SHOEMA	KER GEN	SIDT	. [41]	10 0	91	10 31 "1 28-29) (30-31) N	IOTE: Read Instruc	; tions before		iletino this	form
RITHE DAVID A SHORM	NEW, Church		(20-21) ANTITY OR LOADING	(22-23) (24	-25) (26-27) ((4 Card Only)	QUALITY OR CONC					
PARAMETER		(46-53)	(54-61)	· ·	(38-45)	(46-53)	(54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE '''	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	***	***	ï	****						
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		*** ***	7,000,00	DAILY AV	DAILY MX	MG/L	24 T	BEKLY	COMPOS
IRON, TOTAL (AS FE):	SAMPLE MEASUREMENT	****	****		****	****					
01045 1 0 0 Effluent gross value	PERMIT REQUIREMENT	******		*** ***			DAILY MX	HG/L		EEKLY	COMPOS
LEAD, TOTAL. (AS PB)	: SAMPLE MEASUREMENT	***	****	11.	****	,					
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	******	***	****	DAILY AV	DAILY MX	MG/L	*	EEKTA	COMPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	****	****						100		
01055 1 0 0	PERMIT REQUIREMENT	****	***	***	**************************************	第130 章	1 1 11	WC/T		REEFI	COMPOS
EFFLUENT GROSS VALUE	Harris Carrier	***	***	****	***	DAILY AV	DAILY MX	nG/L	├─┤		
MOLIBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	:									
01062 1 0 0	PERMIT REQUIREMENT	*****	*****		****	1.0	2.0			•	,
EFFLUENT GROSS VALUE	Control of the control			***		DAILY AV	Z DAILY: MX	MG/L			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	***	***		***	***					
01092 1 0 0	PERMIT	*****	******	***	****	*****	0.2	MC /T	#	EERLY	COMPOS
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR	DESCRIPTION CAR	(公益在對金貨幣の報刊) 		****	***	***	DAILY MX	16/ L	1		·
THRU TREATMENT PLANT	SAMPLE MEASUREMENT										
50050 1 0 0	PERMIT	REPORT	REPORT	1	****	****	****	***		ONTTN	TOTALZ
EFFLUENT GROSS VALUE	REQUIREMENT	 And T. S. C. Service. 	DATLY MX	NGD				***		uous	LOTABE
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERT	FY UNDER PENALTY O	F LAW THAT I HAVE F	PERSONALLY	EXAMINED			TELEPHONE			ATE
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU	FY UNDER PENALTY O M FAMILIAR WITH THE II INQUIRY OF THOSE IN IING THE INFORMATIO E, ACCURATE AND COR NT PENALTIES FOR SL SSIBILITY OF FINE AN C A 1319 (Penalties to	NFORMATION SUBMITT NDIVIDUALS IMMEDIAT N. I BELIEVE THE SU MPLETE. I AM AWARE	ED HEREIN; A ELY RESPON BMITTED INF THAT THERI	AND BASED SIBLE FOR ORMATION E ARE SIG	anila	hand	~	·		
	THE PO	OSSIBILITY OF FINE AN C. § 1319. (Penalties un	D IMPRISONMENT, SEI	E 18 U.S.C. §	1001 AND SIGNA	TURE OF PRINCIPAL			501	91 1	11 06
TYPED OR PRINTED	and or m	aximum imprisonment of be	tween 6 months and 3 year	uriane luies mi		ICER OR AUTHORIZE	D AGENT ARE	A NUM8	ER	YEAR I	MO DAY
COMMENT AND EXPLANATION OF ANY V	OLATIONS (Refere	nce all attachments here)	1								. —
										-	

ACILITY OCATION PARAMETER (32-37)	R. GEN.	M 87556	NMOO2 PERM	IT NUMBER	DISCHA	CC	low weighted prosite 001			Approval exp	pires 6 30	
QUESTA FACILITY OCATION ATTN: DAVID R SHOEMAKEI PARAMETER (32-37)	R. GEN.		PERM YEAR	IT NUMBER		CC						
OCATION ATTN: DAVID R SHOEMAKEI PARAMETER (32-37)	R. GEN.	SUPT.	·		ITOPING PERIOD		PERMIT NUMBER DISCHARGE NUMBER COMPOSITE 001+00					
OCATION ATTN: DAVID R SHOEMAKEI PARAMETER (32-37)	R, GEN.	SUPT.	·	MONITORING PERIOD								
PARAMETER (32-37)	R, GEN.	SUPT.	· \ FROM	MO D	AY YEAR	MO DAY						
PARAMETER (32-37)	R. GEN.	SUPT.	J FHOM LAIL	10 0		<u> </u>	JOR OTE: Read instruc	tions before		alatina thi	a larm	
(32-37)	\ /	(3 Card Only) QUA	(20-21) NTITY OR LOADING	(22-23) (24	-25) (26-27) (2 (4 Card Only)	8-29) (30-31) N QUALITY OR CONCI		illons belon	1 -			
/	$\boldsymbol{\times}$	(46-53)	(54-61)	r	(38-45)	(46-53)	(54-61)	1	NO. EX	FREQUENC OF ANALYSIS	TYP	
CONCURS CONSTRUCT		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)		(69.7	
	SAMPLE ASUREMENT	****	****		****							
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT EQUIREMENT			*** ****	*****	0.001 DAILY AV	0.002 DAILY MX	MG/L	1	PERLY	COMP	
	SAMPLE EASUREMENT											
RE	PERMIT. EQUIREMENT							RECE	VE	D	But :	
	SAMPLE EASUREMENT							NOV - 8	199			
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David R. Shoemaker	ON MY OBTAIN IS TRUE	FY UNDER PENALTY OF M FAMILIAR WITH THE IN INQUIRY OF THOSE IN ING THE INFORMATION E, ACCURATE AND COM	DIVIDUALS IMMEDIATI N. 1 BELIEVE THE SUI IPLETE, I AM AWARF	ELY RESPON BMITTED INF THAT THER	SIBLE FOR CORMATION E ARE SIG.	b. I h	Mund	•		\ \		
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TYPED OR PRINTED	33 U.S.(C. § 1319. (Penalties un aximum imprisonment of bei	der these statutes may ii	nclude fines u	n to \$10.000	ICER OR AUTHORIZE				YEAR	мо р	

Facility Name/Location if different) NAME HOLYCORY INC. Q	HECTA NTV			HARGE MO	NITORING REPORT (D.	STEM (NPDES) MR) (17-19)		RFC		Orm-Approve	
		<u> </u>	MHOOZ	`		 1					îres 6-30 01
ADDRESS P. O. BUX 469		× 07 FF 6		AIT NUMBER	DISCH.		ow weighted		_		
QUESTA		W 81 536		THE TOTAL PROPERTY.		Co	mposite 001+	obs NOA	- 8	199	
			X	MON	IITORING PERIOD)		•			1 .
FACILITY			YEAR YEAR	MO C	AY YEAR	MO DAY		<u> </u>	^ * *		1
LOCATION			J FROM 91	10 0		ו ובו טו	JOR	61	∕V-E	A	. 1
ATIN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24			OTE: Read inst ruc	tions-before	-comp	Jeting-this	ingental.
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	نه 	(4 Card Only) (38-45)	QUALITY OR CONCI (46-53)	(54-61)	·	NO.	FREQUENCY OF	SAMPLF TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69.70)
OXIGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****		*****						
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EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	HG/L	/		
PH	SAMPLE MEASUREMENT	***	***			****		,			
00400 1 0 0	PERMIT	****	*******	***	6.0	****	9.0	i	$\vdash \vdash \vdash \vdash$	BEKLY	PAR
	REQUIREMENT			***	MINIMUM		HAXIMUM	รข	1	LDERDI	June
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SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	*****	_							
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EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L	İ	<u> </u>	
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	****	****		****						
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EFFLUENT GROSS VALUE	DECLUBEMENT			****		DAILY AV	DAILY MX	MG/I	'	WEEK	
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(AS F)		****		1		44444		-}	<u> </u>		-
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EFFLUENT GROSS VALUE	REGOINEMENT			***			DAILY MX	MG/L	↓	<u> </u>	
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EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L].		
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(AS CD)	MEASUREMENT			1				İ			
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	PERMIT REQUIREMENT		******	***	*****	*****	1	40.41	1	B C C C L	LUMPO.
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TAME THEE THINGING AC EXCOUNTE OF	A NID AA	A EAAM IAD WITH THE I	NECONANTION CHOMIT	TEN HEDEMI	AND DACED I			TEELFHORE		 	
David R. Shoemaker	OBTAIN	ING THE INFORMATIO	N. I BELIEVE THE SU	BMITTED INF	FORMATION	<u> </u>	1. 1	_			
Mine Manager	NIFICAL	INQUIRY OF THOSE IN INQUIRY OF THOSE IN ING THE INFORMATION OF THE AND CONT PENALTIES FOR SIDSSIBILITY OF FINE AND CONTRACT OF THE AND CONTRACT OF	UBMITTING FALSE IN	FORMATION,	INCLUDING	my n	EXECUTIVE 50	5 586-7	601	91	11 06
	33 U.S.	G. § 1319. (Penailles ui	naer inese siaiules may i	incluae Jines u	n to \$10 000 1	TURE OF PRINCIPAL	EVICODIIAE	· A		╂╼╼╌┼╴	
TYPED OR PRINTED		aximum imprisonment of b	·	rs.)	OFF	ICER OR AUTHORIZE	DAGENT	NUME	SER	YEAR	MO DAY
COMMENT AND EXPLANATION OF ANY V	TIULATIUNS (Refere	nce all allachments here,	,								

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	OUESTA: DI	V . ·	DISCH		HARGE ELIMINATION	RT (DMR)	AJOR For	m Approved	i			
ADDRESS P. O. BOX 469			NMOO:	22306	50	UM A		B No. 2040	-0004			
OUESTA		NM 87556	PERM	IT NUMBER	DISCH	ARGE NUMBER	- FINALAPP					
		· · · · · · · · · · · · · · · · · · ·		MONIT	TORING PERIO	<u> </u>	UM TOTAL F	OR 001	* & -	002:		
PACILITY			YEAR	MO DA	,,	MO DAY			:	ef.		
LOCATION			FROM 91)1 TO 91	10 31 *	** NO DISC					
ATTN: DAVID R SHOEM	AKER, GEN			(22-23) (24-2			NOTE: Read instru	ctions befor	e com	pleting ti	is form	n.
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	iG	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	(54-61)		NO.	FREQUENC OF	1 770	MPLE YPE
(32-37)		AVERAGE	MAXIMUM .	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)		9-70)
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.71	6.54	(26)	****	****	*****	(1Pe DA)	0	I/wk	Con	nPos
01062 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/D	******* T	****	******	****		VEEKL	YCOR	POS
	SAMPLE MEASUREMENT	·						- OF N /	=			
	PERMIT REQUIREMENT							CEIV				
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NAME/TITLE PRINCIPAL EXECUTIVE			OF LAW THAT I HAVE				1	TELEPHONE	E .	D	ATE	
David R. Shoemaker	ON M	Y INQUIRY OF THOSE	INDIVIDUALS IMMEDIAT	ELY RESPONSI	BLE FOR		,					
Mire Manager	NIFICA	NT PENALTIES FOR S	OMPLETE, I AM AWARE SUBMITTING FALSE INF ID IMPRISONMENT SEE	FORMATION, IN	ACLUDING W	JRE OF PRINCIPAL	EXECUTIVE 50	_ ≤ 5%-า	601	91	11	06
TYPED OR PRINTED	33 U S and or	C § 1319. (Penalties un maximum imprisonment o	der these statutes may ir f between 6 months and 5 ;	nclude fines up vears.)	10 \$10,000	ER OF AUTHORIZ	- T- F- T- T- T- T- T- T- T- T- T- T- T- T- T-	A NUMB				DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (R	eference all attachmen	ts here)		<u> </u>		1 201			·		
MOLYBDENUM - AVG		PRECEEDING.										

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)	^#86#3 NT	•	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAJOR Form A					RECEIVED			
ADDRESS P. O. BOX 469	TARSTH ATA			(2·16) 22306		(17-19) P 02 A	1 0111	n Approved.			
OUESTA		IM 87556		ZZSVU IT NUMBEI			OME F - FINAIApp	3 No. 2040-0		R 100	. I
UUESIR:	<u>_</u>	<u> </u>	X X				SEEPAGE TAI		1POUND		
FACILITY	— — — — ····			MONI	TORING PERIC	D SD	DESPAGE INI	LI G	IPOUND	EBHI	
LOCATION			FROM YEAR	10 D	NO YEAR 91	MO DAY 10 31 3	*** NO DISC	UNDOR	-6W	INF A	
ATTN: DAVID R SHOEM	AKER, GEN.	SUPT	(20-21)	(22-23) (24		28-29) (30-31)	NOTE: Read instruc	ctions before			orm.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	IG	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)			UENCY E	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	ANAI	LYSIS (-68)	TYPE (69-70)
OXYGEN DEMAND, CHEM		***	****	(We/L)	*****		 	(19)			(0) 10)
(HIGH LEVEL) (COD)	SAMPLE MEASUREMENT			(1.(4)1)		4.60	5.0	(1)	0 1/	NK C	<u>C</u> ompos
00340 1 0 0	PERMIT	****	*****	****	*****	60	90		ONC	'F/ C	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		HTH	
PH ·	SAMPLE	***	****	(Su)	ПО	***	x	(.12)	,		
	MEASUREMENT				7.2		7.4			WK G	000000000000000000000000000000000000000
00400 1 0 0	PERMIT REQUIREMENT	****	****	***	5.0	****	9.0			:E/ G	RAB
EFFLUENT GROSS VALUE	2			***	MINIMUM		MAKIMUM	SU	MC	NTH	
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	****	(We/L)	****	1.56	2.1	(19)	0 11	uk a	ompos
SUSPENDED 0 0		*****	000000	***	*****						
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CYANIDE, TOTAL	SAMPLE	****	****	(We/L)	****			(-19)	\Box		
(AS:CN)	MEASUREMENT			(1,147)		0.0007	0.0018	1 27	0 11	wK C	ompas
00720 1 0 0	PERMIT	****	****	****	****	0.025	0.05		DNC	E/ C	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	/ DAILY MX	MG/L	NC.	HTM	
FLUORIDE, TOTAL	SAMPLE	****	****	(MG/L)	*****	****	* 3	(:19)	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	uk c	
(AS F)	MEASUREMENT						2.0	1			iompos
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(AS AS) 3 01002 1 0 0		*****	****	****	******	0.5	1.0	d			
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EFFLUENT GROSS VALUE	CONTRACTOR OF STATE O			****			DAILY MX	MG/L		NTH	
NAME/TITLE PRINCIPAL EXECUTIVE	AND AL	FY UNDER PENALTY OF FAMILIAR WITH THE	INFORMATION SUBMITTI	ED HEREIN A	ND BASED			TELEPHONE		DAT	E
David R. Shoemaker	OBTAIN	INQUIRY OF THOSE	I BELIEVE THE SU	JBMITTED INF	FORMATION	L	16. 1				
Mine Manager	NIFICAN	E, ACCURATE AND CO IT PENALTIES FOR S SSIBILITY OF FINE ANI	UBMITTING FALSE IN	FORMATION,	INCLUDING	and a	L EXECUTIVE 505	586-76	01 91	l H	06
TYPED OR PRINTED	33 U S C	§ 1319. (Penalties und naximum imprisonment of	er these statutes may o	nclude fines ut	0 to \$10,000 SIGNAT	URE OF PRINCIPA CER OR AUTHORIZ	ARE ARENT	A NIMBE		_+-	
COMMENT AND EXPLANATION OF ANY					1 3		COD	E I			
SEE PERMIT PART III	FOR PHRTH	ES SEOULD	MENTS			8					
MUDDE COLT DE MO DE					DID DALW D						

THERE SHALL: BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE: FOAM: EXCEPT IN TRACE AMOUNTS:

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	OUESTA D	IV.			IARGE ELIMINATION	RT (DMR)	AJOR For	n Approved	d.	•	
ADDRESS P. O. BOX 469			NM00	22306	00	02 A		3 No. 2040) .	
OUESTA	<u> </u>	NM 87556	PERM	IT NUMBER	DISCH	ARGE NUMBER	- FINALAPP	roval expir	es 6-3	30-91.	•
			<i>j</i>	MONIT	ORING PERIO	s s	EEPAGE TAI	LING I	MPO	UNDMEN	T -
FACILITY			YEAR	MO DA		MO DAY				ŧ	•
LOCATION			FROM 91		1 70 91	10 31 *	🌣 🌣 NO. DISC				
ATTN: DAVID R SHOEM	AKER, GE	·		(22-23) (24-2			IOTE: Read instru	ctions befor	re com	pleting thi	s form.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	NG	(4 Card Only) (38-45)	QUALITY OR CONG (46-53)	CENTRATION (<i>54-61</i>)	•	NO:	FREQUENCY	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
CODDED MOMEN	<u> </u>	*****							(62-63)	(64-68)	(69-70)
COPPER, TOTAL	SAMPLE MEASUREMEN	11 4444444	****	(welr)	****	0.01	0.05	(,19)	٥	1/wk	Compos
01042 1 0 0		500004	******	***	22222				***********		
EFFLUENT GROSS VALU	PERMIT PERMIT		*****	***	******	0.15 DAILY AV	0.30	wc /1		DHCE/	COMPO
IRON, TOTAL	1	***	****	4	***	****		(19)	 	MONTH	
(AS FE)	SAMPLE MEASUREMEN		Andrea de de de de	(WE/L)	An and and an an and an	afte ofte afte afte afte	0.17	(13)	0	1/WK	Com
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LEAD, TOTAL	SAMPLE	****	***	(We/L)	****			(19)	ŀ	,	
(AS PB)	MEASUREMEN	NT	•	(1.m)T)		0.04	0.1	(±)	0	1/UK	compa
01051 1 0 0	PERMIT	*****	****	***	***	0.3	0.6			DNCE/	COMPO
EFFLUENT GROSS VALU	REQUIREMEN	IT		****		DAILY AV		MG/L		MONTH	
MANGANESE, TOTAL	SAMPLE	***	****	(me/L)	****			(-19)			
(AS MN)	MEASUREMEN	IT			•	1.42	1.51] `	0	IIWK	Compos
01055 1 0 0	PERMIT	****	***	***	****	REPORT	REPORT			DNCE/	COMPO
EFFLUENT GROSS VALU	REQUIREMEN	П		****		DATLY AV	DAILY MX	MG/L		HONTH	
MOLYBDENUM, TOTAL	SAMPLE	***	***	(me/L)	***	1.79	1.84	(:19)		1	
(AS MO)	MEASUREME			<u> </u>			,		0	11mk	Compos
01062 1 0 0	PERMIT REQUIREMEN	******	****	***	****	REPORT	REPORT				COMBO
DITTOURT GROSS VIIIO.	В		****	****		DAILY AV	Ť			HTRON	
ZINC, TOTAL	SAMPLE	****	***	(WeT)	****	****	0.02	(-19)	٥	1/wk	Comp
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THRU TREATMENT PLANS	SAMPLE MEASUREME!	17 0.416	0.469	(103)	*****	and the standard and standard	An elevate de de de de	(WED)	0	DAILY	ESTIM
50050 1 0 0		REPORT	REPORT		****	*****	*****		000000000000000000000000000000000000000	000000000000000000000000000000000000000	35 300000000000000000000000000000000000
EFFLUENT GROSS VALUE	PERMIT REQUIREMEN		DAILY MX	MCD			******	****		DAILY	POILE
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER C	ERTIFY UNDER PENALTY C	F LAW THAT I HAVE	PERSONALLY (1	TELEPHONI	. <u> </u>	D A	TE
	ANI	MY INQUIRY OF THOSE	INDIVIDUALS IMMEDIAT	TELY RESPONSI	BLE FOR		1				
David R. Shoemaken	15	TAINING THE INFORMATION TRUE, ACCURATE AND CO	MPLETE. I AM AWARE	THAT THERE	ARE SIG.	11 - Lie	humake		,		
Mire Manager	THE	CANT PENALTIES FOR S	D IMPRISONMENT SEE	: 18 U.S.C § 1	OO1 AND SIGNATI	URE OF PRINCIPAL	EXECUTIVE 505	5 586-](SQ)[AL D	1- 06
TYPED OR PRINTED		USC § 1319. (Penalties und or maximum imprisonment of				ER OR AUTHORIZ	ARE	A INTIME		YEAR-	
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS	(Reference all attachment	s here)				,				
SEE PERMIT PART III	FORFUR	THER REQUIRE	MENTS.						NO	N - 8 19	191 I
THERE SHALL BE NO D				R VISIE	LE FOAM E	KCEPT IN T	RACE AMOUN	TS		, ,	1
EPA Form 3320-F (Rev. 9-88) Previous					TICH MAY NOT BE					100 A	A 0.F
	- Jamons may D		, Engly Era F(1-4V M		008	35/910401-	1759	D	W-E/	3

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	OUESTA DI	V	DISCH		HARGE ELIMINATIO		MAJOR F	orm Approved	1		
ADDRESS P. O. BOX 469			NM00	22306	0	002 A	•	MB No. 2040			
OUESTA		NM 87556	PERM	IT NUMBER	DISC	HARGE NUMBER	F - FINALA				
				MONI	TORING PERIO	20	SEEPAGE T	AILING I	MPOI	UNDME	NT
PACILITY			YEAR		AY YEAR	MO DAY					
LOCATION					01 TO 91	10 31	*** NO DI				
ATTN: DAVID R SHOEM	AKER, GEN			(22-23) (24		(28-29) (30-31)	NOTE: Read ins	tructions befor	e com	pleting th	is form.
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN	1G	(4 Card Only) (38-45)	QUALITY OR CO (46-53)	NCENTRATION (54-61)		NO.	FREQUENC OF ANALYSIS	200
(32-37)		AVERAGE	MAXIMUM	STINU	" MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
MERCURY, TOTAL (AS HG	SAMPLE MEASUREMENT	*****	****	(We/L)	****	0.0002	0.0002	(-19)	0	1 WK	Compos
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	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	TIFY UNDER PENALTY (M FAMILIAR WITH THE	INFORMATION SUBMITT	ED HEREIN: A	ND BASED		1	TELEPHONE	<u>:</u>	D /	ATE
David R. Shoemaker	OBTAIN IS TRI	Y INQUIRY OF THOSE VING THE INFORMATIO JE. ACCURATE AND CO	N, I BELIEVE THE SU OMPLETE. I AM AWARE	JBMITTED INF	ORMATION ARE SIG) 	I kaone I				
Mire Manager	THE P	NT PENALTIES FOR S OSSIBILITY OF FINE AN C § 1319. (Penalties un	ID IMPRISONMENT SEE	18 U.S.C §	1001 AND SIGNAT	TURE OF PRINCIP		05 586-5	1601	91	11 06
TYPED OR PRINTED	and or	maximum imprisonment o	f between 6 months and 5	years.)		CER OR AUTHOR		REA NUMB	ER	YEAR	MO DAY
COMMENT AND EXPLANATION OF ANY	Y VIOLATIONS (R	ejerence all attachmen	is here)					_			
SEE PERMIT PART III THERE SHALL BE NO D				R: VISI	BLE FOAM E	XCEPT IN	TRACE AMOI	UNTS. 2			

NAME MOLYCORP INC.	OUESTA DIV	7. (i) {	M DISCH	ARGE MO (2-16)	NITORING	REPORT (DMF (17-19)	R)	AJOR					
ADDRESSP. C. BOX 469		——————————————————————————————————————	NMOO	22306		002 A			Form Approx	ved.			٠,
OUESTA	1	NH 87556	- ,)	IT NUMBER	•	DISCHARGE NUM	BER P	- FINAL	OMB No. 20	40-00	04		
							si	EEPAGE TA	Partore ex	ei e oi	19:01:24	T	
FACILITY					TORING P							. •	
LOCATION			FROM YEAR				31 · **	** NO DIS	CHARGE	1	. ***		· .
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	-25) (26	-27) (28-29) (3		OTE: Read instr				s for	m.
PARAMETER		(3 Card Only) QUI (46-53)	ANTITY OR LOADIN	NG	(4 Card Only) (38-45)		Y OR CONC 6-53)	ENTRATION (54-61)		NO.	FREQUENC		MPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMU		RAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS		YPE (9-70)
OXYGEN DEMAND, CHEM.	SAMPLE	****	***	(5)	***	***		<u> </u>	(.19)			Ť	
(HIGH LEVEL) (COD)	MEASUREMENT		• '	MG/L		7	.73	10.3		0	1/WK	COM	1POS
00340 1 0 0	PERMIT	200000	******	***	****		60	90			DACE/		
EFFLUENT GROSS VALUE				****		DAI	LY AV	DAILY M	X ag/L		MONTE	***********	
PH	SAMPLE	***	****	(.)			***		(12)				
	MEASUREMENT		17.00	SU	7.18	3		7.50	1	0	1/WK	GRA	
00400 1 0 0	PERMIT	*****	*****	***			4444	9.0			SECE!		
EFFLUENT GROSS VALUE		line	100	***	SINIA	un		MAKINGS	รข		MORTE		
SOLIDS, TOTAL	SAMPLE	34 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$\$\$\$\$\$\$\$\$\$	(~~)	***	***	.*		(.19)				
SUSPENDED	MEASUREMENT	2. AO 8	5 108	MG/L		3	.58	5.20	,,	0	1/WK	COM	1POS
00530 1 0 0	PERMIT REQUIREMENT	_	CUNSCREASE :	***	\$ \$ \$ \$ \$ \$	44	20	30			DACE/	COR	4POS
EFFLUENT GROSS VALUE	REQUIREMENT	84 A . NO	uezparatara uezparatara	***		DAI	LY AV	DAILY M	X MG/L		MONTE		
CYANIDE, TOTAL	SAMPLE		4621334444	()	***	***			(:19)				
(AS CN)	MEASUREMENT	- 6. c	RAS yed	\MG/L	,		023	.0024		0	1/WK	COM	1POS
00720 1 0 0	PERMIT REQUIREMENT	######	C ANTEN A	****	***	** O	.025	0.05)NCE/	COL	1 P 05
EFFLUENT GROSS VALUE	REGGINEMENT			****			LY AV	DAILY M	MG/L		MONTE		
FLUORIDE, TOTAL	SAMPLE MEASUREMENT	****	***	()	***	***	***		(.19)				
(AS F)				MG/L				2.07		0	1/WK	ar announced	*********
00951 1 0 0	PERMIT REQUIREMENT	****	proces	***	pui;	20 00	***	3.0	8888 0		NCE/		1POS
EFFLUENT GROSS VALUE				***		- 4 -		DAILY N			HONTI		
ARSENIC, TOTAL	SAMPLE MEASUREMENT	****	****	()	***		THAN	LESS THAI	V (19)	[<u> </u>	1 /* ***	1	
(AS AS)		0		MG/L		0.0	2474444444444444	0.005		0	1/WK	00 00000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
01002 1 0 0	PERMIT REQUIREMENT	****	•00000	***	本本本中		0.5	1.0)NCE/		1POS
EFFLUENT GROSS VALUE		(1) ******	10000000	****	***		LY AV	DAILY A			HONTE		
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	(3)	*******	MC /I	****	in the second	and the state of the	LESS THAN	y (-19)	0	1/WK	CON	MD/LC
01027 1 0 0		Westers.	10	MG/L	2204	N-44	***					****************	***********
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				~~~~		~~~	0.05	00000		SECE\		1POS
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	PENALTY C	OF LAW THAT I HAVE	PERSONALLY	EXAMINED			DAILY M	TELEPHONE	:	MONTE	TE	
	AND A	M FAMILIAR WITH THE	INFORMATION SUBMITT	TED HEREIN: A	ND BASED SIBLE FOR	2	. 1			-	• 1	<u> </u>	
David R. Shoemaker	10 111	NING THE INFORMATION JE. ACCURATE AND CO	MPLETE. I AM AWARE	THAT THERE	ARE SIG.	Tan A	ヘル	raens Acr				1	
Mine Manager	THE P	NT PENALTIES FOR S OSSIBILITY OF FINE AN	D IMPRISONMENT SEE	18 U.S.C 5	1001 AND	GNATURE OF	PRINCIPAL	EXECUTIVE SO	5 586 7	601	93 0	1	11
TYPED OR PRINTED		C § 1319. (Penalties und maximum imprisonment of			to \$10,000 51	OFFICER OR		D AGENT AF	EA NIME		 	40	DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachment	s here)		· ·				DE NOME			-	
•						* .							

SEE PERNIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF PLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	1.	MATION	DISCHA	LTANT DISC LRGE MOI	HARGE EL NITORII	IMINATION NG REP	ON SYSTEM (NE ORT (DMR) (17-19)		AJOR	•				
ADDRESSP. C. BOX 469		//	'\	NMO02				002 A			Form Appro	ved.		
OUESTA		8 87556 (TNUMBER	•	_	CHARGE NUMBE	P P	- FINAL	OMB No. 2	040-0	004	
			<i>y -</i> –								a Approved e	Geig	1983H94	IT:
FACILITY			•			TORING			⊣ ′					,
LOCATION			FROM	YEAR 92		01 TO	YEAR 92	MO DAY	t∣ ≎×	r⇔ NO DI	SCHARGE	1	***	
ATTN: DAVID R SHOEMA	KER. GEN	SUPT.		L I	(22-23) (24-		(26-27)	(28-29) (30-3)			tructions befo			
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR (54-61	LOADING		(4 Card	<u> </u>	<u> </u>	R CONC	ENTRATION (54-61)		NO.	FREQUENCY	W/1
(32-37)		AVERAGE	MAXIM	1	UNITS		IMUM .	AVERA		MAXIMUM	UNITS	(62-63)	ANALYSIS	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	**:	****	() MG/L	*	****	.010	ຸ	.013	(19)	+		COMPOS
01042 1 0 0	PERMIT REQUIREMENT	****	***		***	44	upap	0.	.15	0.3	SSSSSSSSS	***********	DNCE/	COMPOS
EFFLUENT GROSS VALUE		***	-4. 1		****			DALL	***************************************	DALLY	MX MG/L		MONTE	<u> </u>
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	, *******	**:	***	(<u>.</u> .)	**	***	, ****	***	0.135	(19)	0	1/WK	COM
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	***		***	**:	****	****	***	0.	6		V 1000000000000000000000000000000000000	COMPOS
LEAD, TOTAL	SAMPLE	****	**:	***	()	4:	****	LESS 7	ΓHAN		MX MG/L AN (19)			
(AS PB)	MEASUREMENT	***************************************			MG/L			0.	1	0.1		0	1/WK	COMPOS
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	***		*** ****	**	***	DAIL).3 V AV	O. DATLY	6 MX MG/L:	E000000000000000	DNCE/ MONTH	COMPOS
MANGANESE, TOTAL	SAMPLE	M****	, T. S.	***	(·)	*	****				(19)			
(AS MW)	MEASUREMENT		1.		MG/L			1.5	7	1.63		0	1 /WK	COMPOS
01055 1 0 0	PERMIT	AND SECTION AND INC.	455	dun e	***	**	9444	BEP	CANADA CONTRACTOR AND AND AND AND AND AND AND AND AND AND	REPOR	T	THE PERSON NAMED IN		COMPOS
EFFLUENT GROSS VALUE	PROMPRESENT	ld			***			DAIL			MX MG/L		HONTE	
MOLYBDENUM, TOTAL	SAMPLE MEASUREMENT	(3**** <u>*</u>	25	***	()	32.	****	*			(.19)		-	
(AS MO) 01062 1 0 0		Wasse.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MG/L ***			2.18	ANAAAAAAAAAAAAAAAAAA	2.23		0		COMPOS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	6E	•	"""	***	***	****	AEPO		AEPOR	330000000 T			Conpos
EFFLUENT GRUSS VALUE		***	J. J.	****	****		****	DAIL	****	VALLI	MX MG/L		MONTE	
ZINC, TOTAL	SAMPLE MEASUREMENT	******		****	(, .)	*	*****		Ar-ale also also	000	(-19)	Ι .	1 /1 117	701
(AS ZN) 01092		200200	A. J. J.	*** 1	MG/L		4242	opp.		.023		0		200 00000000000000000000000000000000000
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****		***	~~~	****	****		0.	000000000 1			
FLOW, IN CONDUIT OR						يف	***	· ***	***	***	AX MG/L	+	HONTE	
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.374	0.39	ا مم	(03) : MGD	1	بديم يفريق به		ماهد ماقد ماقد ما	. شعبقب	** (1	DATTV	ESTIMA
		- 5555556566666666666666666666666666666	000000000000000000000000000000000000000	320000000000000000000000000000000000000	MGD	4.5	*444	4577		*****	* ***	***********	9 5000666666666666666	9006 70000000000000000000000000000000000
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REP	Y HX	M C D	7.7	****	-		*****	***		AUTRI	ESTINA
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY O	F LAW THAT	I HAVE P	PERSONALLY		1			· 1	TELEPHON	E	D /	ATE
	AND A	M FAMILIAR WITH THE I	INDIVIDUALS	IMMEDIATE	LY RESPONS	SIBLE FOR	-	<u> </u>		/ H	•	-	<u> </u>	·.
David R. Shoemaker	IS TRU	ING THE INFORMATION JE ACCURATE AND CO	MPLETE. I AI	M AWARE	THAT THERE	ARE SIG-	1 /	Tank)	~	ham I	es		,	
Mine Manager	THE P	NT PENALTIES FOR S OSSIBILITY OF FINE ANI	IMPRISONM	MENT SEE	18 U.S.C 5	1001 AND	SIGNA	TURE OF PRI	NCIPAL	EXECUTIVE	05 586 7	76N1	93 (01 11
TYPED OR PRINTED	33 U S and or	C § 1319. (Penalties und maximum imprisonment of	er these statu between 6 moi	ites may inc nths and 5 ye	clude fines up ears.i	to \$10,000		ICER OF AUT		O ACENT	AREA NILM			MO DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachment	here)								CODE			

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

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Facility Name/Location if different) NAMENOLYCORP_INC。(DUESTA DIV	1. N		ARGE MOI (2-16)	NITORING		T (DMR) 😘 7-19)	MAJOR			·	
ADDRESSP. C. BOX 469		——————————————————————————————————————	NHOO2			002			Form Approv	ved.		
OUESTA		M 87556	71 1	IT NUMBER		$\overline{}$	GE NUMBER	F - FINAL		,		. 1 .
	<u> </u>			MONI	TORING	PERIOD		SEEPAGE T	A PEPPRING S	eipo (grangen	T
FACILITY	·	·	- YEAR	MO D		EAR M	DAY					•
LOCATION			_ FROM 92		71 70		2 31	P*** NO DI:				
ATTN: DAVID R SHOEM	KER, GEN.			(22-23) (24-	25) (2) (4) (4) Card Only	6-27) (28-2		NOTE: Read ins	tructions befor	e com	pleting thi	s torm.
PARAMETER		(3 Cara Only) QU7 (46-53)	ANTITY OR LOADIN (54-61)	iG	(4 Cara Oni) (38-45)		(46-53)	(54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMU	JM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****	() MG/L	***	·*** I	ESS TH		AN (19)	0	1/WK	COMPOS
71900 1 0 0 EPPLUENT GROSS VALUI	PERMIT REQUIREMENT	****	***	****	***	-24	0.00 DAILY		2 MX MG/L		NCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT			-								
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT			·					,			
	SAMPLE MEASUREMENT					ECI	EIVI				•	
	PERMIT REQUIREMENT				m			U				
	SAMPLE MEASUREMENT					MAL	1 5 199	3			, 	
	PERMIT REQUIREMENT					61	W.E	A				-
	SAMPLE MEASUREMENT				·	O	V The	7. 3				
	PERMIT REQUIREMENT											-
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	TIFY UNDER PENALTY (IM FAMILIAR WITH THE Y' INQUIRY OF THOSE HING THE INFORMATIO	INFORMATION SUBMITT	ED HEREIN: A	ND BASED		•	1	TELEPHON!	E	. D A	TE
David R. Shoemaker Mine Manager	IS TRU NIFICAL THE P	JE, ACCURATE AND CO NT PENALTIES FOR S OSSIBILITY OF FINE AN	OMPLETE. I AM AWARE SUBMITTING FALSE IN ID IMPRISONMENT SEE	THAT THERE FORMATION: 1 18 U.S.C 5	ARE SIG. NCLUDING 1001 AND	Jan BIGNATUS	E OF BRING	CIPAL EXECUTIVE 5	05 586 7	601	93 (01 11
33 U S		C § 1319. (Penalties un maximum imprisonment o	der these statutes may i f between 6 months and 5	nclude fines up years.)	to \$10,000 *			177	AREA NUME			MO DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (R	eference all attachmen	is here)				.,					
SEE PERMIT PART III	FOR FURTI	ER REQUIR	EMENTS.					·.	•	٠.		

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS. EPA Form 3320-F (Rev. 9-88) Phenous Editions may be used.

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	OUESTA DIV	· · · · · ·	DISCH		ARGE ELIMINATION IITORING REPO	RT (DMR)	AJOR		+	, · · · · · · ·
ADDRESSP. C. BOX 469		- -77	NHOO2	22306	SI	UM A MU	Fo	orm Approve		
OUESTA		87556	-/	TNUMBER		ARGE NUMBER	- FINAL O	MB No. 204	0-0004	•
				MONIT	ORING PERIC		UN TOTAL P	9ñ to v8l0e xpi	g es (10) 3 1-94	J
PACILITY	·		YEAR	MO DA		MO DAY			·	
LOCATION		·	_ FROM 92		1 10 92	12 31 *	** NO DISC			
ATTN: DAVID R SHOEMA	KER, GEN.			(22-23) (24-2			NOTE: Read instruc	tions before	completing t	nis form.
PARAMETER		(3 Card Only) QUI (46-53)	ANTITY OR LOADIN (54-61)	IG	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)		PREQUENC	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	LINITS	EX ANALYSIS 2-63) (64-68)	(69-70)
MOLYBDENOM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.55	7.26	(26) lbs/dy	*****	****	****			COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY HX	LBS/DY	******	290322	*****	****	4 E E K L	TCOMPOS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
.'	SAMPLE MEASUREMENT									·
	PERMIT REQUIREMENT				5 9 7	CHANGE I				
	SAMPLE MEASUREMENT	,			DEC	Eline.				
	PERMIT REQUIREMENT				JAI	1 5 1993				
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT				6	N-EA	•			
,	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									. ,
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE			OF LAW THAT ! HAVE			•		TELEPHONE	D	ATE
David R. Shoemaker	OBTAIN IS TRU NIFICAL	IING THE INFORMATION JE ACCURATE AND CONT PENALTIES FOR S	INDIVIDUALS IMMEDIAT N. I BELIEVE THE SL OMPLETE I AM AWARE SUBMITTING FALSE INI	JBMITTED INFO THAT THERE I FORMATION, IN	RMATION ARE SIG	and ~	hamil	~		
Mine Manager	33 U S	C § 1319. (Penalties und	ID IMPRISONMENT SEE der these statutes may i	nclude fines up l	10 \$10,000 SIGNAT	URE OF PRINCIPA	303			01 11
TYPED OR PRINTED			f between 6 months and 5	years.)	OFFI	CER OR AUTHORIZ	ZED AGENT COD		R YEAR	MO DAY
COMMENT AND EXPLANATION OF ANY										
		PRECEEDING.					end.			

VAMENOLICORPINC.Q	UESTA DIV. (2-16) (17-19)						F - FINAL			2040-0004
DDRESS P. O. BOX 469			/ NMOO3	22306	00	01 A	PROCESS WAT	ER	Approval	expires 6-30-91
QUESTA		M 87556	PERM	AIT NUMBER	DISCH	IARGE NUMBER	•			
				MON	ITORING PERIO)	NO DISCHARO	GE FOR E	NTIRE M	ONTH:
ACILITY			YEAR		AY YEAR	1,0 07/.				
OCATION	VED CEN		- FROM 92	$12 \mid 0$		12 31	MAJOR NOTE: Read instru	ations before	nompleting t	hic form
ATTN: DAVID R SHOEMA	AER, GEN		(20-21) ANTITY OR LOADING	(22-23) (24-	25) (26-27) ((4 Card Only)	(28-29) (30-31) QUALITY OR CO			i	
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	į	NO. FREQUEN	TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	ANALYS (62-63) (64-68)	
OXYGEN DEMAND, CHEM.	SAMPLE	***	***	1 7 7	***					
(HIGH LEVEL) (COD)	MEASUREMENT									
00340 1 0 0	PERMIT	***	****	1 1 1 1 1 1 1 1 1	***** *	60			PEEKI	Y COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT	3	<u> </u>	***	2 6 3 5	DAILY A	1/4 V.A. 8/K WW9 1,-2- 1 / /1.00 mm/mm.m.	AG/L		
PH	SAMPLE MEASUREMENT	***	****			****				
00400: 1: 0: 0	PERMIT.	~	*****	***	6:0	*****	* 9. N 9.0] /	PREST	YGRAB
EFFLUENT GROSS VALUE	- Meaning and American	160	# 3 B F	***	HINIHUH		MAXIBUM	su		こんせつぎょ コート
SOLIDS, TOTAL	SAMPLE	***	***		***	- ·	A-1		************	3200 A 23 E 23 A
SUSPENDED	MEASUREMENT	* * * * * * * * * * * * * * * * * * *			3 ,		I	1 1		ļ
00530 1 0 0	PERMIT	***	****	***	****	20	A TO SERVICE AND A SERVICE AND		PEEKI	YCOMPOS
EFFLUENT GROSS VALUE	REQUIREMENT		84 8 E	***	6 7 1	DAILY, A	V DAILY MY	MG/L	1/4	*
CYANIDE, TOTAL	SAMPLE : MEASUREMENT	***	****	Çi i	****					
(AS. CN)			* ****			200200000000	S. Golden	<u> </u>	- 45-5.	V 70 × 20 ×
00720 1 0 0 Effluent gross value	PERMIT REQUIREMENT	******	*******	***	****	DAILY	V DAILY MI	MG/I	WEER	COMPOS
PLUORIDE, TOTAL	SAMPLE	* * * * * * * * * * * * * * * * * * * *	***		***	****		3 00/ W s	*****	***
(AS F)	MEASUREMENT							1		
00951 1 0 0	PERMIT	*****		***	****	*****	3.0		VEEKI	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY 51	MG/L		
ARSENIC, TOTAL	SAMPLE	****	****	· E	***					
(AS AS)	MEASUREMENT									
01002 1 0 0	PERMIT REQUIREMENT	*****	*****	1	*****	0.5	C: 102" > "> 23.54 37 - 6	566	BEKI	YCOMPOS
EFFLUENT GROSS VALUE CADMIUM, TOTAL		****	***	****	****	DAILY A		10/4		32 4
(A5:CD)	SAMPLE MEASUREMENT	0		1						İ
01027 1 0 0	PERMIT	****	****	***	****	* *****	0.05		BEEKI	YCOMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY	. 31	X Z X X	Approx. 6
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERT	IFY UNDER PENELTY OF	LAW THAT LHAVE I	PERSONALLY	EXAMINED ND BASED	_		TELEPHONE		DATE
David R. Shoemaker	ON MY OBTAI	IFY UNDER PER TYPE AND INC. IN OUR PER TYPE AND INC. IN OUR PER TYPE AND INC. IN OUR PER TYPE AND INC. IN OFFICE AND INC. IN OFFICE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND INC. IN OUR PEN TYPE AND IN OUR PEN	IN T BELIEVE THE SO	EL REPONS	SIBLE FOR STREET	? \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	I_{I}			
Mine Manager	IS TRU NIFICA	E, ACCURATE (A) CO	MPLETE. I AM AWARE UBMITTING FALSE INF	TATHERE	ARE SIGNICLUDING	my 10.	/ ruena	-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\		
TYPED OR PRINTED	THE PO	OSSIBILITY OF FINE AN C. § 1319. (Penalties un naximum imprisonment of b	ID IMPHISONMENT, SE nder these statutes may i	E 18 U.S.C. § include fines up	1001 AND SIGNA	TURE OF PRINCIF	RIZED AGENT AR	EA NUMBE		01 11
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refer	ence all attachments here	PARTY TOTAL AND SERVED	3./		CENTONAUMOR	CO	DE NUMBE	R YEAR	MO DAY
,,										
	•	<i>F</i>	IM PA	1						

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS (Include

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. QUESTA DIV. ADDRESS P. O. BOX 469 QUESTA NM 87556			NM002	HARGE MO (2-16)		OMR) (17-19) F	- FINAL ROCESS WAT	ER	(Form Approv OMB No. 204 Approval exp	10-0004
FACILITY LOCATION			FROM 92	₩O D	ITORING PERIOD	VAG I OM	DISCHARGE	E FOR E	INTI	RE MON	ITH:
ATTN: DAVID R SHORMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	<u> </u>		NOTE: Read instruc	tions befor	e comp	leting this	form.
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING <i>(54-61)</i>	ì	(4 Card Only) (38-45)	QUALITY OR CON((46-53)	CENTRATION (54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	мимим	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****		****						
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	*****	DAILY AV		MG/L	4.26 Yr 1984	EEKLY	COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	***		****	****					
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT.	*****	******	*** ****	*****	*****	0.6 DAILY MX	MG/L		BEKLY	COMPOS
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	٠.	***						
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*** ****	*****	O.3 DAILY AV	DAILY BX	MG/L		EEKLY	COMPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	****	****		****						
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	***	****	1.0	1.5 DAILY EX	MG/L		BEKLY	COMPOS
MOLYBDENUM, TOTAL (AS NO)	SAMPLE MEASUREMENT	*****	****		*****			133.7			
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*******	*** ****	******	1.0 DAILY AV	2.0 DAILY MX	MG/L		# 13 - C	And the second s
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	*****	7,04	****	****					
01092 1 0 0 EPPLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	********	*** ****	*****	****	0.2 DAILY MX	MG/L		BERLY	COMPOS
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TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY V					•	TOUR ON AUTHORIZ	ED AGENT ARE	DE NUME	ock .	YEAR	MO DAY
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PERMITTEE NAME IADDRESS (Include Pacifity Name/Location if different) INC. QUESTA DIV. ADDRESS P. D. BOX 459 QUESTA NM 87555			NMOU2	(2-16)		STEM (NPDES) OMR) (17-19) DA A AARGE NUMBER	F - FINAL PROCESS WAT	ER		proved. . 2040-0004 expires 6-30-91
ACILITY LOCATION ATTN: DAVID R SHOEMA	XER. GEN.	SUPT	FROM 92 (20-21)		$1 \frac{1}{2} \sqrt{92}$	DAY 12 31 28-29) (30-31)	NO DISCHARG MAJOR NOTE: Read instruc			
PARAMETER			IANTITY OR LOADING (54-61)		(4 Card Only) (38-45)		NCENTRATION (54-61)	N	O. FREQUE	
(32-37)		AVERAGE 1	t MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62	-63) (64-68	SIS
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	***	***		***					
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COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here)							

PERMITTEE NAME/ADDRESS (Include

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ADDRESS P. O. BUX 469 Flow weighted Composite 001+002 VED PERMIT NUMBER DISCHARGE NUMBER NA 87556 OHESTA _ MONITORING PERIOD FACILITY YEAR MQ DAY YEAR DAY FROM MAJOR LOCATION 92 92 31 กา NOTE: Read instructions before completing this form. ATIN: DAVID R SHOEMAKER. GEN. SUPT. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) QUALITY OR CONCENTRATION (3 Card Only) QUANTITY OR LOADING (4 Card Only) FREQUENCY SAMPLE (46-53)(54-61)(38-45)(46-53)(54-61) PARAMETER TYPE (32-37) **MAXIMUM** UNITS **AVERAGE AVERAGE** MAXIMUM 39.70 MINIMUM なななななな なななななな **** DŽIGEN DEMAND, CHEM. SAMPLE MEASUREMENT (HIGH LEVEL) (COD) *** *** *** 60 90 REKLICOMPOS b0340 1 0 0 PERMIT REQUIREMENT *** DAILY AV DAILY MY MG/L REPLUENT GROSS VALUE 食食会会会会 **** **** SAMPLE MEASUREMENT 222222 REKLYGRAC **** *** *** 6:0 9.0 00400 1 0 0 PERMIT REQUIREMENT 改立立立 MUNIMUM MUMILAN SU ÉPPLUENT GROSS VALUE *** SOLIDS, TOTAL なななななな *** SAMPLE MEASUREMENT SUSPENDED. *** **** *** #BEKLYCOM POS 00530 1 0 0 PERMIT 20 30 REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L *** ETANIDE, TOTAL **** **** SAMPLE MEASUREMENT (AS CN) *** *** *** *** 0.025 0.05 TWICE/COMPO: 00720 1 0 0 · **PERMIT** REQUIREMENT *** DATLY AV DAILY MX MG/L WBEK ÉFPLUENT GROSS VALUE **** FLUORIDE, TOTAL *** *** *** SAMPLE MEASUREMENT (AS F) *** *** *** *** 3.0 **EBEKLYCOMPO** 00951 1:00 PERMIT REQUIREMENT *** DAILY HX MG/L EFFLUENT GROSS VALUE ****** **** *** ARSENIC, TOTAL SAMPLE MEASUREMENT (AS AS) *** **** PREKLICOMPO: **** 0.5 1.0 01002 1 0 0 PERMIT. REQUIREMENT なななな EFFLUENT GROSS VALUE DAILY AV DAILY MX MG/L **** **建**拉拉拉拉拉 *** **** CADMIUM, TOTAL SAMPLE MEASUREMENT (AS CD) *** **** **** 0.05 01027 1 0 0 지수수수 *** **PERMIT** PBEKLYCOMPO REQUIREMENT *** REFLUENT GROSS VALUE DATLY MY MG/L I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE DATE David R. Shoemaker Mine Manager 505 1586-7601 SIGNATURE OF PRINCIPAL EXECUTIVE 93 ۸1 11 AREA TYPED OR PRINTED OFFICER OR AUTHORIZED AGENT NUMBER YEAR MO COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(2-16)

MM0022306

(17-19)

Particular a

MULICURY INC. QUESTA DIV.

OMB No. 2040-0004

Approval expires 6:30 n.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) Feelity Name / Location if different NAME MOLYCORP INC. QUESTA DIV. OMB No. 2040-0004 (2-16)(17-19) Flow weighted Approval expires 6-30-91 ADDRESS P. O. BOX 469 NM0022306 NM 87556 QUESTA **PERMIT NUMBER** DISCHARGE NUMBER COMPOSITE 001+002 receive MONITORING PERIOD FACILITY DAY YEAR DAY YEAR MAJOR TO LOCATION 92 1.9 31 **N**1 NOTE: Read instructions before commanding this form. ATTH: DAVID R SHOEMAKER, GEN. SUPT. (28-29) (30-31) (20-21) (22-23) (24-25) (26-27) (4 Card Only) QUANTITY OR LOADING QUALITY OR CONCENTRATION (3 Card Only) FREQUENCY NO. SAMPLE (46-53)(54-61)(38-45)(46-53)(54-61)PARAMETER TYPE (32-37)AVERAGE 17 **MAXIMUM** UNITS MINIMUM **AVERAGE MAXIMUM** (69-70) **** *** *** COPPER. TOTAL SAMPLE MEASUREMENT (AS CU) **** *** 0.15 *** DESO REKLYCOHPO 01042 1 0 0 PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY HX | MG/L *** *** **** **** IRON, TOTAL SAMPLE MEASUREMENT (AS FE): *** VEEKLYCOMPO 1 0 0 *** マヤマ はった かんりょう **** 7 15 TO 3 6 01045 PERMIT REQUIREMENT **** DAILY MX MG/L EFFLUENT GROSS VALUE *** *** *** LEAD. TOTAL. SAMPLE MEASUREMENT (AS PB) *** 編 場一016 HEEKLYCOMPO 01051 1 0 0 *** なななななな これ ななな # 0131 PERMIT REQUIREMENT DAILY AV DAILY MX MG/L *** EFFLUENT GROSS VALUE *** *** MANGANESE, TOTAL *** SAMPLE MEASUREMENT (AS MN) 01055 1 0 O **なななななな** **** £4444 1.0 1.5 **WEEKLYCOMPO** PERMIT . REQUIREMENT *** DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** MOLIBDENUM, TOTAL *** **** SAMPLE MEASUREMENT (AS HO) 01062 1 0 0 *** *** *** *** \$ 1.0: 2.0 PERMIT REQUIREMENT DAILY AV EFFLUENT GROSS VALUE *** DAILY MX MG/L *** ZINC. TOTAL ホホホホホホ *** なななななな SAMPLE MEASUREMENT (AS. ZN) *** **** 01092 1 0 0 *** *** *** 14 0 L 2 BEKLYCOMPO PERMIT: REQUIREMENT *** EPFLUENT GROSS VALUE DAILY MX MG/L FLOW. IN CONDUIT OR *** *** *** SAMPLE MEASUREMENT THRU TREATMENT PLANT **** *** 50050 1 0 0 REPORT **** CONTINTOTAL. PERMIT REPORT REQUIREMENT EFFLUENT GROSS VALUE DAILYCAV DAILY *** UOUS NAME/TITLE PRINCIPAL EXECUTIVE OFFICER CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE David R. Shoemaker IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND Mine Manager 505 586-7601 93 01 11 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 AREA OFFICER OR AUTHORIZED AGENT TYPED OR PRINTED and or maximum imprisonment of between 6 months and 3 years.) NUMBER YEAR COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include

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roun Approved.

DDRESS P. O. BOX 469			n NHOO2	2306	-	````			- 1	Approval exp	dies 6
QUESTA		M 87556	<u> </u>	IIT NUMBER	DISCH		low weighted				
				MON	TORING PERIOD		omposite 001	+002			
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OCATION			FROM 92	12 0	1 7 92	12 31	AJOR IOTE: Read Instruc	stiana bata		ulatina thi.	
ATTN: DAVID R SHOEMA	KER, GEN.	(3 Card Only) QU	(20-21) ANTITY OR LOADING	(22-23) (24-	25) (26-27) ((4 Card Only)	28-29) (30-31) N QUALITY OR CONC			1i		1
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TYPED OR PRINTED	33 U.S.	.C. § 1319. (Penalties unaximum imprisonment of b	inder these statutes may	include fines u	2 to \$10.000 \	FICER OR AUTHORIZ		:FX	MBER	YEAR	MO

Facility Name/Location if different) NAME MOLYCORP INC . C	HESTA DIV	1. /1//	DISC	:HARGE MO (2-16)	NITORING	REPORT (DMR) (17-19)	MAJOR						
ADDRESSP. O. BOX 469			OMM	022306		002 A		For	m Approv	ed.			
QUESTA		M 87556		RMIT NUMBER	2	DISCHARGE NUMB	F - FIN	TAT. OM	B No. 20	40-00	04		•
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FACILITY			YEA		TORING P				,				
LOCATION							O *** NO	DISCH	ARGE		***		
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-2	(22-23) (24	-25) (26	-27) (28-29) (30-3	NOTE: Rea	d instructi	ons before	com	pleting th	is, for	m.
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(32-37)		AVERAGE	. MAXIMUM	UNITS	MINIMU	M AVER	AGE MAXI	мим	UNITS	(62-63)	(64-68)		69-70)
OXYGEN DEMAND, CHEM.	SAMPLE	***	****	⇒ ()	***	***			(:19)			-	
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(AS CN)			lerk's Inits.	MG/L		******************	017 .00			0	<u> 1/WK</u>	000C 00000000000	***************
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EFFLUENT GROSS VALUE	REQUIREMENT	DEC	~	***				X MX	MG/L		MONTE	***********	
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COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	ejerence all ulluchmeni	s-nere)				3.1						

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAN EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include

IAME MOLYCORP INC. QUESTA DIV. (2-16) (17-19) MAJOR												
ADDRESSP. O. BOX 469	•) NMOO2			02 A	•	rm Approved.		•		
OUESTA		NH 87556	PERMI	TNUMBER	DISCH	ARGE NUMBER	P - PINAL OF	MB No. 2040-	0004			
<u> </u>				MONII	TORING PERIC	5 5	SEEPAGE TAP	oliche exbire	ed a banda	T		
PACILITY			YEAR			MO. DAY	. •	****	_			
LOCATION		- <u> </u>	FROM 92		70 92	11 30 3	⊁** NO DISCH					
ATTN: DAVID R SHOEMA	KER, GEN	SUPT.	(20-21)	(22-23) (24-			NOTE: Read instruc	tions before co	mpleting thi	s form.		
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)	NO	FREQUENCY	SAMPLE		
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-6	ANALYSIS	(69-70)		
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COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	Reference all attachment	here)			· · · · · · · · · · · · · · · · · · ·						

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different) NAME MOLYCORP INC. (UESTA DI	v. I'll		ARGE MON (2-16)	ITORING REPO	RT (DMR) (17-19)	MAJOR				
ADDRESSP. O. BOX 469		<u> </u>		22306		02 A		Form Approv	ed.		
OUESTA		NH 87556	7 —	IT NUMBER		ARGE NUMBER	F - FINAL	OMB No. 20	40-00	04	
				MONIT	COLING SERIE		SEEPAGE TA				T .
PACILITY			- YEAR	MO DA	ORING PERIC	MO DAY		•	,		-
LOCATION			_ FROM 32		1 10 192	11 30	*** NO DIS				
ATTN: DAVID R SHOEMA	KER, GEN.			(22-23) (24-2			NOTE: Read instr	ructions befor	e com	pleting thi	form.
PARAMETER		(3 Card Only) QUI	ANTITY OR LOADIN (54-61)	iG	(4 Card Only) (38-45)	QUALITY OR CO (46-53)	ONCENTRATION (54-61)		140.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	OF ANALYSIS (64-68)	(69-70)
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COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachmen	is here)			· · · · ·		UUE I			
SEE PERMIT PART TIT	FOR FURTI	HER REQUIER	ENRNTS.				•				

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME ADDRESS (Include Facility Name Location if different) NAME MOLYCORP INC. (MESTA NTU	$\int \partial x$	DISCHA	ARGE MON	ARGE ELIMINATION	RT (DMR)	MAJOR	,		•	
ADDRESS P. O. BOX 469	ODJIE DI		NM OO2	(2·16) 2 3 3 6 5		(17-19) JM A		orm Approv	ed.		
OUESTA		IN 87556		TNUMBER		ARGE NUMBER	F - FINAL C	MB No. 20	40-00	004	
				MONIT	ORING PERIO		SUM TOTAL P	GBI on 9 GE Xt	oiges ,	10 21-94	
PACILITY			YEAR	MO DAY		MO DAY					•
LOCATION			FROM 92	11 0		11 30	*** NO DISC				•
ATTN: DAVID R SHOEM	IKER, GEN.		(20-21)	(22-23) (24-25		28-29) (30-31)	NOTE: Read instru	ctions before	e com	pleting thi	s form.
PARAMETER		(3 Cara Only) QU. (46-53)	(54-61)	(4 Cara Only) (38-45)	(46-53)	(54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE INFORMATION SUBMITTS	ED HEREIN: AND	BASED			TELEPHONE	:	DA	TE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAN	HING THE INFORMATION HE. ACCURATE AND CO HT PENALTIES FOR S	INDIVIDUALS IMMEDIAT IN. I BELIEVE THE SL OMPLETE. I AM AWARE SUBMITTING FALSE INI ND IMPRISONMENT SEE	JBMITTED INFOR THAT THERE A FORMATION, INC	RMATION IRE SIG- CLUDING	and n	Shorala	586	760	92 1	2 02
TYPED OR PRINTED	33 U S	C § 1319. (Penalties un	der these statutes may in of between 6 months and 5	nclude fines up to	\$10,000 SIGNATE	URE OF PRINC CER OR AUTHO	PIZED AGENT ARE	A NUMB			AO DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (R.	eference all attachmen	is here)				COL	<u> </u>		ıL <u>.</u>	
MOLYBDENUM - AVG 6		RECEEDING.									

Approval expires 6:30 11 MM0022306 Address P. O. BUX 469 Flow weighted ___NA_87556_ **PERMIT NUMBER** DISCHARGE NUMBER Composite 001+002 MONITORING PERIOD PACILITY YEAR MO DAY DAY YEAR MO FROM LOCATION MAJOR 92 92 30 **01** DAVID R SHOEMAKER, GEN. SUPT. NOTE: Read instructions before completing this form. Atthe (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OF CONCENTRATION FREQUENCY NO. SAMEL (46-53) (54-61) (38-45)(46-53) PARAMETER (54-61) EX TYPE (32-37) . ANALYSIS **AVERAGE MAXIMUM** UNITS MINIMUM **AVERAGE MAXIMUM** UNITS (62-63) 169.00 (64-68) **企业企业企业 企业企业企业 企业企业业** Biigen demand, Chem. SAMPLE MEASUREMENT (dige Level) (COD) *** *** **** 90 D0340 1 0 0 *** 60 PREKLICOMPO PERMIT REQUIREMENT *** DAILY AV DAILY MX HG/L RPPLURNT GROSS VALUE **水水水水水**水 ななななななな **** SAMPLE MEASUREMENT **** 9.0 *** 2222 **企业企业企业** BEKLYG 6:0 DOUDO 1 0 0 PERMIT REQUIREMENT 改立立立 MUNIBINUM MARIMUM SU EPPLUENT GROSS VALUE *** *** なかなななな SOLIDS, TOTAL SAMPLE MEASUREMENT SUSPENDED **** **** 00530 1 0 *** *** 20 30 RBEKLICOMPO 0 PERMIT REQUIREMENT 立立立立 DAILY AV DAILY MX MG/L RPPLUENT GROSS VALUE **北北北北北** *** なななななな CTANIDE, TOTAL SAMPLE MEASUREMENT (AS CN) 1 0 0 *** *** おさなむ **** 0.025 0.05 THICE/CONP. 00720 PERMIT REQUIREMENT EFFLUENT GROSS VALUE キキキキ DAILY AV DAILY MX MG/L UREK ***** *** **ネ**ななななな **** FLUORIDE. TOTAL SAMPLE MEASUREMENT (AS F) *** *** *** **** 3.0 BERLYCOMPO 00951 1 0 0 PERMIT REQUIREMENT *** DAILY HX MG/L EFFLUENT GROSS VALUE ARSENIC. TOTAL なななななな **** ななななな キ SAMPLE MEASUREMENT (AS AS) 01002 1 0 0 *** *** 1.0 PERKLY 0 à 5 PERMIT *** DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** **ネネネキネネ** *** **ネキキキネ** CADMIUM, TOTAL SAMPLE MEASUREMENT (AS CD) 01027 1 *** 0 0 ***** ಶ್ವಧ್ವರ್ಥ *** なななななな 0.05 REBELT COMP PERMIT REQUIREMENT *** REPLUENT GROSS VALUE DATLY MY MG/L I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 131 ILSC. \$ 1012 AND 14 AND 15 ILSC. \$ 1012 AND 15 ILSC. \$ 1013 AND 15 ILSC. \$ 1014 AND 15 ILSC. \$ 10 NAME/TITLE PRINCIPAL EXECUTIVE OFFICER **TELEPHONE** DATE David R. Shoemaker Mine Manager 505 1586-7601 02 92 12 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TYPED OR PRINTED

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YEAR

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OF

OFFICER OR AUTHORIZED AGENT

AREA

NUMBER

ADDRESS P. U. BUX 469 QUESTA	<u>N</u>	M 87556.	PERM	AIT NUMBER	DISCH	ARGE NUMBER CO	MPOSITE 001+	002			
FACILITY			YEAR		ITORING PERIOD	MQ DAY					
CCATION ATTH: DAVID R SHOEMA	KER, GEN.	SUPT.	FROM 92	11 0	1 '0 92	11 30 1	\JOR OTE: Read Instruc	tions befor	e com	pleting this	s form.
PARAMETER			3 Card Only) QUANTITY OR LOADING		(4 Card Only) (38-45)	QUALITY OR CONCE (46-53)	ENTRATION (54-61)		NO.	FREQUENCY OF	SAMPL
(32-37)		AVERAGE '	MUMIXAM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69 -70
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	÷	****	*: :	:	:			
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IRON, TOTAL (AS FE):	SAMPLE MEASUREMENT	****	****		****	*****	, d ,				
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HOLIBDENUM, TOTAL (AS NO)	SAMPLE MEASUREMENT	***	***		***						
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ZINC, TOTAL (AS: ZN)	SAMPLE MEASUREMENT	***	****		****	***					
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PLON, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			<u>.</u>	***	****	***				
50050 1 0 0 EFFLUENT GROSS VALUE					******	******	****	****		CONTIN UOUS	LTOTY
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TYPED OR PRINTED	and or n	.C. § 1319. (Penalties ui naximum imprisonment of b	nder these statutes may etween 6 months and 3 year	include Jines up) 16 \$10.000	OFFICER OR AUTHORIZED AGENT				YEAR	MO 1
COMMENT AND EXPLANATION OF ANY V	/IOLATIONS (Refer	ence all attachments here	,				•			•	

DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

PERMITTEE NAME/ADDRESS (Include
Ricitity Name/Location If different)

NAME MOLYCORP INC. QUESTA DIV.

OMB No. 2040-0004

Approval expires 6:30 91

Fiow weighted

ADDRESS P. O. BOX 469 QUESTA NM 87556			NM002	(2-16) 2306 IT NUMBER		(17-19) ARGE NUMBER F			OMB No. 204 Approval exp		
ACILITY OCATION ATTN: DAVID R SHOEMAN			FROM YEAR 92		92	MO DAY 11 30 MA	OMICOSITE 001: AJOR OTE: Read Instruc		e com	oleting this	s form
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(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(6%
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David R. Shoemaker Mine Manager	IS TRI	INING THE INFORMATION UE, ACCURATE AND CON ANT DENALTIES FOR SI	N. I BELIEVE THE SU MPLETE, I AM AWARI IRMITTING EALSE IN	JBMITTED INF E THAT THER ECOMATION	E ARE SIG- INCLUDING	anil 1	hombe	ne ene	7601		
Mine Manager THE POSSIBILITY OF FINE AND 33 U.S.C. § 1319. (Penalties unit and or maximum imprisonment of bei			der these statutes may	include fines u	n to \$10,000 }	LEXECUTIVE 50		-7601 MBER	92 YEAR	12 Mo	

(17-19)

OMB No. 2040 00 11

NAME BOLICORP INC. QUESTA DIV. (17-19) P - FINAL (2-16)Approval expires 6-30-91 ADDRESS P. O. BOX 469 001 A PROCESS WATER NM0022306 QUESTA NA 87556 PERMIT NUMBER DISCHARGE NUMBER NO DISCHARGE FOR ENTIRE MONTH: MONITORING PERIOD FÁCILITY YEAR DAY. DAY FROM LOCATION MAJOR 92 92 01 30 2 NOTE: Readinstructions before completing this form. ATTN: DAVID R SHOEMAKER, GEN. SUPT. (20-21) (28-29) (30-31) (22-23) (24-25) (26-27) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION FREQUENCY SAMPLE (46-53)PARAMETER (46-53) (54-61)(38-45)(54-61) TYPE UNITS (32-37) **ANALYSIS MAXIMUM AVERAGE** UNITS MINIMUM **AVERAGE MAXIMUM** (62-63) (69-70) (64-68)**** DIYGEN DEMAND. CHEM. *** *** SAMPLE MEASUREMENT (HIGH: LEVEL) (COD) 00340 1 0 0 **** ***** *** **** 60 BEKLYCOMPO: PERMIT REQUIREMENT EDAILY BY BG/L *** RPFLUENT GROSS VALUE DATLY AT **** **** *** DH. SAMPLE MEASUREMENT 00400 1 0 0 **** **存在存在中心对本存在** P 15 620 322333 20 m 910 BEKLYGR A PERMIT *** RPFLUERT GROSS VALUE HIBIHUM MAXIBUM SU **** SOLIDS. TOTAL: *** なななななな SAMPLE. MEASUREMENT BUSPENDED (m ** E2 30 20 **** たななななすな おななな **** **PREKLYCON**PO: 00530 1 0 0 PERMIT REQUIREMENT *** N S EFFLUENT GROSS VALUE DAILT AV SDAILY MI MG/L *** **业业业业业** CYANIDE, TOTAL 4 *** SAMPLE MEASUREMENT (AS; CH) PERMIT! *** **** % 01025 S 0105 00720 1 0 0 **** *** 語**するICE/CO**MPO REQUIREMENT DAILY HI HG/L *** DATLY AV BEEK EPFLUENT GROSS VALUI *** **** *** *** FLUORIDE, TOTAL SAMPLE MEASUREMENT (AS P) **** ******** 全众众众众会 **** F 1 340 PERKLICOMPO 00951 1 0 0 PERMIT REQUIREMENT *** DAILY MY MG/L EFPLUENT GROSS VALUE **** **** ARSBNIC TOTAL ... SAMPLE MEASUREMENT ' (AS : AS) : *** **** **** 110 BEELYCO 01002 1 0 0 PERMIT REQUIREMENT *** EPFLUENT GROSS VALUE DAILY AV DAILY HI MG/L *** *** **业业业业业** CADMIUM. TOTAL なななななな SAMPLE MEASUREMENT (AS CD) 01027: 1: 0 0 去企业企业企 **** 0105 ERKLICOMPO PERMIT REQUIREMENT ** EPPLUENT GROSS VALUE DAILT HI HG/L NAME/TITLE PRINCIPAL EXECUTIVE OFFICER AND AM FAMILIAR WITE HE ORD HAN THE PRISONALLY EXAMINED AND AM FAMILIAR WITE HE ORD HAND SEEM THEN HEREIN; AND BASED ON MY INQUIRY OF THESE SHOWS DALL IMMEDIATION FOR RESPONSIBLE FOR OBTAINING THE ART DOMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE BAND COMPLETE. I AM AWARE HAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 U.S.C. \$ 1319. (Penalties runder (bese states) may include fines up to \$10,000 and or maximum imprisonment of Desired months and 3 years.) TELEPHONE DATE David R. Shoemaker Mine Manager **5**86 _7601 92 12 02 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT ' TYPED OR PRINTED NUMBER MO COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

OMB No. 2040-0004

NM0022306 001 PROCESS WATER ADDRESS P. O. BOX 469 <u>nm 87556</u> **PERMIT NUMBER** DISCHARGE NUMBER QUESTA __ __ _ MONITORING PERIOD NO DISCHARGE FOR ENTER MONTH: FACILITY YEAR DAY YEAR MO DAY NOTE: Read Processions before completing this form. FROM LOCATION SAJOR 92 11 01 92 30 ATTN: DAVID R SHOEMAKER. GEN. SUPT. (20-21) (22-23) (24-25) (26-27) (30-31) (28-29) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION 111 **IFREQUENCY** SAMPL! (54-61)PARAMETER (46-53)(38-45)(46-53) (54-61) TYPE (32-37) DELINITS ANALYSIS AVERAGE MAXIMUM UNITS **MINIMUM AVERAGE** MAXIMUM (62-63) (69-70) (64-68) *** *** *** COPPER. TOTAL SAMPLE MEASUREMENT (AS CU) BEKLICOMPO **** *** 01042 1 0 0 *** 0.15 0.30 PERMIT, REQUIREMENT *** DAILY AV DAILY MX MG/L EPPLUENT GROSS VALUE *** ***** **** **企业企业企业** IRON. TOTAL SAMPLE MEASUREMENT (AS PE) **** BERLYCO *** ***** **** 016 PERMIT REQUIREMENT 01045 1 0 0 *** DAILY MX MG/L RFFLURNT GROSS VALUE **** **** *** LEAD. TOTAL SAMPLE MEASUREMENT (AS PB) **多数10.6** PERMIT #EEKLYCOMPO **** **** *** **** 013 01051 1 0 0 REQUIREMENT キキキキ DAILY AV DAILY MI MG/L EFFLUENT GROSS VALUE **** *** *** MANGANESE, TOTAL: SAMPLE MEASUREMENT (AS MN) 1.5 1:0 *** *** *** *** PERKLYCOMPO **b**1055 1 0 0 PERMIT REQUIREMENT *** DAILY AV DAILY MX MG/L EPPLUENT GROSS VALUE **** **** MOLYBDENUM, TOTAL **** SAMPLE MEASUREMENT (AS: NO) 2.0 *** *** 1.0 저수수수 **** 01062 1 0 0 PERMIT REQUIREMENT **W. M.** *** RPPLUENT GROSS VALUE DATEY AV DAILY HX HG/L **** **** **** *** ZINC. TOTAL SAMPLE MEASUREMENT (AS ZN) 012 **** **** *** **** **** BERLYCO! 01092 1 0 0 PERMIT REQUIREMENT *** DAILY MX MG/L EPPLUENT GROSS VALUE PLON, IN CONDUIT OR **** **** *** SAMPLE MEASUREMENT NO DISCHARGE FOR ENTIRE MONTH: THRU TREATMENT PLANT *** REPORT REPORT **** **** *** CONTINTOTAL 50050 1 0 0 PERMIT REQUIREMENT DATLY AV DATLY MX MGD *** DODS EFFLUENT GROSS VALUE I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 12 U.S.C. \$ 1001 AND 13 U.S.C. \$ 1001 AND 14 U.S.C. \$ 1001 AND 15 U. NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TELEPHONE DATE David R. Shoemaker Mine Manager 505 586 7601 92 12 02 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT TYPED OR PRINTED NUMBER YEAR MO ĐÂ COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(2-16)

(17-19)

F - FINAL

MOLYCORP INC. QUESTA DIV.

OMB No. 2040-0004

Approval expires 6-30 9

DRESS P. O. BOX 469		1 03 ES E	NMOU2	. 		01 A	PROCESS WA	Approval expires 6-30				
QUESTA	<u></u>	M 87556 <i>□</i>	PERN	IT NUMBER MON	ITORING PERIO	CHARGE NUMBER	NO DIGGUAN		maten e	DH 1401	ann r	
CILITY		<u>-</u> - -	FROM YEAP		YEAR YEAR	NO DAY	NO DISCHARO	SE FOR I	ENTI	RE MON	1TH:	
CATION TO THE THOU THE THE THE THE THE THE THE THE THE THE	KER, GEN.	SUPT.	- FROM 92 (20-21)	11 ((22-23) (24	$\begin{array}{ccc} 01 & 10 & 92 \\ -25) & 26-27) \end{array}$	11 30 (28-29) (30-31)	NOTE: Read instr	uctions befo	re com	pleting this	s form.	
PARAMETER			QUANTITY OR LOADING (4 Car		(4 Card Only) (38-45)		CONCENTRATION (54-61)			FREQUENCY	SAMP	
(32-37)		AVERAGE	· MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS	(69-70	
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David R. Shoemake Mine Manager		TIFY UNDER PENALTY IM FAMILIAR WITH THE Y INQUIRY OF THOSE NING THE INFORMATI UE, ACCURATE AND CO ANT PENALTIES FOR SONSIBILITY OF FINE A	NU IMPRIOUNNENI. SE	E 10 U.S.C.	ו שום ו שאם ושו פ	NATURE OF PRINC	CIPAL EXECUTIVE A	05 586	7601	92	12	
TYPED OR PRINTED	33 U.S	S.C. § 1319. (Penalties : maximum imprisonment of	inder these statutes may between 6 months and 5 yea	include fines u rs.)	ID KO MIU.UKU I	FFICER OR AUTH		ADEA	MBER	YEAR	MO	

UISCHAHGE MUNITURING REPORT (DMR) (2-16) (17-19)

NAME MULYCUAP INC. QUESTA DIV.

OMB No. 2040-0004

F - FINAL

MAME MOLYCORP INC.	HESTA DI	(a)		ARGE MO! (2-16)	NITORING REP	ORT (DMR) (17-19)	MAJOR	*			· · · · · ·		
ADDRESSP. O. BOX 469	<u> </u>	<u> </u>	† / —————	22306		002 A		Form Appro	ved.				
QUESTA	, <u> </u>	87556 V		IT NUMBER		HARGE NUMBER	F - FINAL OMB No. 2040-0004						
							SEEPAGE TA.	Approvedex	eire	19191194	T.		
PACILITY			7 \ \		TORING PERI				1				
LOCATION	· .	,	FROM YEAR		AY TO YEAR	MO PAY 10 31	*** NO DIS	CHARGE :	1	***	· .		
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	-25) (26-27)	(28-29) (30-31)	NOTE: Read instr				is form.		
		(3 Card Only) QUA	NTITY OR LOADIN	iG	(4 Card Only)-		CONCENTRATION		NO.	FREQUENCY	SAMPL	E	
PARAMETER (32-37)	\times	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53)	(54-61) E MAXIMUM	UNITS	EX	OF ANALYSIS	(69-70)		
OXYGEN DENAND, CHEM.		****	***	()	****	:	<u>'</u>	(19)	(62-63)	(64-68)	(03-70)		
(HIGH LEVEL) (COD)	SAMPLE MEASUREMENT			MG/L		5.42	7.90	(177)	n	1/WK	COMP	os	
00340 1 0 0	PERMIT	202032		11G/ L	*****		90		and the same of the same of	DUCE/	COMPO	200000	
EFFLUENT GROSS VALUE	*******			****		DAILY		MG/I		MONTE			
PH	SAMPLE	****	****	()		***		(-12)					
	MEASUREMENT			รบ	7,30		7.67	,,	0	1/WK	GR		
00400 1 0 0	PERMIT	*****	Period na		0.0	*****			***************************************	DNCE/	GRAB		
EFFLUENT GROSS VALUE	BEALDENER	m -1		***	BIBLEUM		MAXIMUM	SU		MONTS			
SOLIDS, TOTAL	SAMPLE	*****			****			(19)			1	-;	
SUSPENDED	MEASUREMENT	TO	2_vin. 5011.	MG/L		3.36	4.70		0	1/WK	COMP	05	
00530 1 0 0	PERMIT	\$\$\$\$\$\$\$	A STATE OF S	*****	*****	2	0 30			DACE/	COMPO	ıS	
EFFLUENT GROSS VALUE	REQUIREMENT		PARTIESPY"	****		DAILY	AV DAILY M.	MG/L		MONTE			
CYANIDE, TOTAL	SAMPLE	*****		1 /	****			(-19)					
(AS CN)	MEASUREMENT		7 Date Filed	sMG/L		.0020		,		1/WK	COMP		
00720 1 0 0	PERMIT REQUIREMENT	****	- Selection		****	0.02		200001		DNCE/	COMPO	ıs	
EFFLUENT GROSS VALUE				****		DAILY				HONT			
FLUORIDE, TOTAL	SAMPLE MEASUREMENT	****	****	()	****	* ****	* ** 	(19)		7 /TATZ	COMD	Δ.	
(AS F)				MG/L			2,20		***************************************	1/WK	COMP	******	
00951 1 0 0	PERMIT REQUIREMENT		***	***	****	*****		2017		DNCE	COMPO	P	
EFFLUENT GROSS VALUE ARSENIC, TOTAL		403000	. ***	****	and the same of the same of the same	LESS TH	DAILY M AN LESS THAN			HONTE		<u></u>	
(AS AS)	SAMPLE MEASUREMENT	A.L.L.	28	MG/L		0.005		(19)	<u> </u>	1/WK	CO	þ	
01002 1 0 0		232323	- stellar	11G/ L	****	0.005			************	DNCE/	COMPC	10000	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***		DAILY	•	MG/L		MONTH			
CADNIUM, TOTAL	SAMPLE	£44000	***	()	****	<u> </u>	*** LESS THAN						
(AS CD)	MEASUREMENT	ඏ		MG/1			0.005		0	1/WK	COMP	O	
01027 1 0 0	PERMIT REQUIREMENT	4 4444	- ::{(A)::::	***	22222	44444				DNCE/	COMPO	38	
EPFLUENT GROSS VALUE	REQUIREMENT	ne e)	***			DAILY B	K MG/L		MONTE			
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	TIFY UNDER PENALTY C					· · ·	TELEPHON	E	D A	TE	_	
David R. Shoemaker	ON M'	Y INQUIRY OF THOSE	INDIVIDUALS IMMEDIATE	ELY RESPONS	ORMATION)	· · · · · · · · · · · · · · · · · · ·			-			
Mine Manager	IS TRU	JE, ACCURATE AND CO NT PENALTIES FOR S	MPLETE I AM AWARE UBMITTING FALSE INF	THAT THERE FORMATION.	ARE SIG	and-	~ whend				- -	_	
	33 U S	OSSIBILITY OF FINE AN C \$ 1319. (Penalties und	ler these statutes may in	nclude fines up	to \$10,000 SIGNA		· -	586		 	11 1		
TYPED OR PRINTED		maximum imprisonment of		years.)	OFF	ICER OR AUTH		DE NUMI	BER	YEAR !	MO DA	Y	
COMMENT AND EXPLANATION OF ANY	•	•	• •			r die Armen M. Germanne der Germanne							

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) MAME MOLYCORP INC. (OUESTA DI	v	NATIO	DISCH	UTANT DISC ARGE MOI (2-16)	HARGE EL NITORII	IMINATION NG REP	ORT (DMR) (17-19)		AJOR				,		*		
ADDRESSP. O. BOX 469		/10	NM0022306					02 A	7		Fo	rm Appro	ved.					
OUESTA		NM 87556 V	.\\	PERMIT NUMBER				CHARGENUMBER F - FINAL OMB					No. 2040-0004					
			() _							EEPAGE		provel ex	Gerig	19:31:94	NT.			
FACILITY			$\mathcal{O}_{\mathbb{R}}$	ļ		TORIN												
LOCATION			- FROM	YEAR 92) <u>)</u> 10	YEAR	10 31	→	** NO D	CCE	ARCE	1	***				
ATTN: DAVID R SHOEMA	KER GEN	SUPT.	-		(22-23) (24-			(28-29) (30-31)		IOTE: Read in				•	is for	r m .		
		(3 Card Only) QUA	NTITY OR			(4 Card				ONCENTRATION					\top			
PARAMETER		(46-53)	(54-61)		(38	-45)	(46-53)	<u> </u>	(54-61)			NO.	FREQUENC OF ANALYSIS	1.05	AMPLE Type		
(32-37)		AVERAGE	MAXIN	MAXIMUM		MIN	IMUM	AVERAGE		MAXIMUM		UNITS	(62-63)	(64-68)	1 .	69-70)		
COPPER, TOTAL	SAMPLE	****	**	***	7: 1:	*	***	LESS T	HAN	LESS TI	IAN	(19)	100 007	(51.51)	 `	-		
(AS CU)	MEASUREMENT				MG/L			0.02		0.0		(. 23)	0	1/WK	co	MPOS		
01042 1 0 0		222423	27.4		1 136/11		999E	COC. (COC) 34444444444444444444444444	15	0.				DACE		MPOS		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				***			DAILY		•	******************************	MC/I		HONT		HE W		
IRON, TOTAL	_	****	**	***	7. \	*	***		***		***	(19)						
(AS PE)	SAMPLE MEASUREMENT				MG/L					0.20	۱۵ ا	(13)	n	1/WK				
01045 1 0 0		000004	200		***	3.4.	****	2422	ang also	* 000000000000000000000000000000000000	6		************	***********************	0004 2000000000	200000000000000000000000000000000000000		
	PERMIT REGUIREMENT		~~~		***	. ***	*****	*****				M / / T		HEEKL	, pu	arus		
EFFLUENT GROSS VALUE	T	****		***	****		****	T DCC m	TT 70 3.7	DAILY								
LEAD, TOTAL	SAMPLE MEASUREMENT		Ale Ale	ماد ماد ماد ماد	MG/L	~	هد داند خاد جاد جاد	166 -	HÀN		IAN	(.19)		7 / 777				
(AS PB)					. i			0.1		0.1			0	1/WK	2007 SSSSSSSS	***********		
01051 1 0 0	PERMIT REQUIREMENT	****	****	***	***	***	***		•3		- 6			DNCE/		apos		
EFFLUENT GROSS VALUE					****	نفد		DAILY	AV	DAILY	BX			HONT	3			
MANGANESE, TOTAL	SAMPLE MEASUREMENT	(EEE)***	. 444	****	MG/L	**	****	1.40		1.41	ŀ	(; 19)	0	7 /14772		MDOG		
(AS MN)		f-7	-5		<u>.</u>				000000000000000000000000000000000000000	***************************************				1/WK	***			
01055 1 0 0	PERMIT REQUIREMENT	400000			***	***	****	RSPO		REPO	**********			DNCE	**********	mpos		
EFFLUENT GROSS VALUE		127	00000000000000000000000000000000000000	***************************************	****			DAILY	AV	DAILY	BX			THON	1			
MOLYBDENUM, TOTAL	SAMPLE MEASUREMENT	(*************************************	*****	****	()	**	****			2.10		(19)		1 /5.772		MDO.C		
(AS MO)	III EAGGITEINEIT		-		MG/L			2,08	***********	2.19			0	1/WK				
01062 1 0 0	PERMIT REQUIREMENT	4 the g	1.3		****	**	***	REPO		REPO	************			DNCB	****	mpos		
EFFLUENT GROSS VALUE		£1) ***	****			DAILY		DAILY	22.8			HONT	1			
ZINC, TOTAL	SAMPLE MEASUREMENT	****	2		(-)	**	***	****	***			(-19)		1 /1.777				
(AS ZN)	MEASUREMENT				MG/L					0.009	***************		0	1/WK	800 0000000	000000		
01092 1 0 0	PERMIT REQUIREMENT	****	***	***	***	22	***	***	***		. 2			DNCE/		BPOS		
EFFLUENT GROSS VALUE					***				-	DAILY		MG/L		PHOR				
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	0 276	0 2	0.7	(03)		****	****	***	***	***	(· · · ·)	0	DAILY	FC	:TMZ		
THRU TREATMENT PLANT	III EASONEMENT	0.370	0.3		MGD								************	303244440000000000000000000000000000000				
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REP	ORT		**	***	****	***	****	***	***		DAILY	ES	TIMA		
EFFLUENT GROSS VALUE		DALLY AV		X MX		<u> </u>	T			<u> </u>		***						
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	TIFY UNDER PENALTY O	INFORMATION	SUBMITT	ED HEREIN: AF	ND BASED		٠ .		-a	1	ELEPHON	Ε	D .	ATE	1		
David R. Shoemaker	OBTAI	IY INQUIRY OF THOSE NING THE INFORMATION	I. I BELIEVI	THE SL	UBMITTED INF	ORMATION	1	7		• [L	-			-			
Mine Manager	NIFICA	UE, ACCURATE AND CO INT PENALTIES FOR S POSSIBILITY OF FINE ANI	UBMITTING	FALSE IN	FORMATION, I	NCLUDING		and		, man		J586. 7	1601	امما	11	12		
		OSSIBILITY OF FINE ANI C § 1319. (Penalties und maximum imprisonment of	er these stati	iles may ii	nclude fines up			TURE OF PRI			505 AREA			 		 		
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY		<u>.</u>		nins ana 5	years.i		OFF	ICER OR AUT		ED AGENT	CODE	NUMB	ER	YEAR	МО	DAY		
COMMENT AND EXPLANATION OF AN	TIOCATIONS (A	cejerence un unuenmeni.	. 11616)															

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

NAME MOLYCORP INC.	UESTA DIV			ARGE MOI (2-16)	NITORING	REPORT (DMR) (17-19)	MAJOR		٠			• •	
ADDRESSP. O. BOX 469		$=$ $ t_{\rm M}$		22306		002 A			rm Approv	/ed.			
OUESTA		M 87556 V	PERM	TNUMBER		DISCHARGE NUMB] F:- Final OMB No. 2040-0004 SEEPAGE TATRIWE SUPPOUNDIN					
	 	- 		MONI	TORING P	RING PERIOD		GE TAP	P)POI	indh en	T		
PACILITY		,	YEAR		Y YE	AR MO DA	Y		,				
LOCATION			_ FROM <u>92</u>			11		O DISCI Read instruc				e form	
ATTN: DAVID R SHOEMA	MER, GEN.		(20-21)	<i>(22-23) (24</i> -	25) (26 (4 Card Only	6-27) (28-29) (30-3	OR CONCENTRA		tions befor			101111.	
PARAMETER		(46-53)	(54-61)			(46-3		54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
(<i>32-37</i>)		AVERAGE	MAXIMUM	UNITS	MINIMU	M AVER	AGE M/	XIMUM	UNITS	(62-63)	(64-68)	(69-70)	
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	,*****	****	() MG/L	***	1		S THAN	(19)	0	1/WK (COMPOS	
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	***	****		•	0.002 LLY MX	MG/L		NCE/ HONTH	COMPOS	
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	PERMIT REQUIREMENT								•.				
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	PERMIT REQUIREMENT				, ,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY C	INFORMATION SUBMITT	ED HEREIN. A	ND BASED				TELEPHONE		. DA	TE	
David R. Shoemake	Y OBTAIN	Y INQUIRY OF THOSE IING THE INFORMATION JE ACCURATE AND CO	N. I BELIEVE THE SL	JBMITTED INF	ORMATION	0	1		1				
Mine Manager	NIFICAL	NT PENALTIES FOR S OSSIBILITY OF FINE AN	UBMITTING FALSE IN	FORMATION. 1	NCLUDING L	and T	/has	TIVE EAS	: 1505	760	92	11 12	
TYPED OR PRINTED	33 U S	C § 1319. (Penalties und maximum imprisonment o)	ier these statutes may u	nclude fines up		IGNATURE OF PI OFFICER OR AL		NT AREA				ID DAY	
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachment	s here)					CODI	<u> </u>				
SEE DERMIT DART TIT	FOR FURTH	IER REQUIRE	MENTS.			* .* .							

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	DUESTA DIV	···	DISCH		HARGE ELIMINATION NITORING REPO	RT (DMR)	IAJOR				
ADDRESSP. O. BOX 469				22306	SI	JM A	1	Form Appro	ved.		
OUESTA		M 87556 ^V :	PERM	IT NUMBER	рі з сн	ARGE NUMBER	- FINAL	OMB No. 20	40-00	004	*
<u> </u>				140111	TODING DEDIG	s	ON TOTAL I	AGUK ong Oak	pi g es (J@2 1-94	
PACILITY			VEAR.		TORING PERIO		•				
LOCATION			FROM YEAR		1 TO YEAR	M°	** NO DISC	CHARGE		***	
ATTN: DAVID R SHOEM	IKER, GEN.	SUPT.	(20-21)	(22-23) (24-	25) (26-27) (2	28-29) (30-31).	NOTE: Read instru	actions befor	e com	pleting thi	s form.
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADIN (54-61)	NG	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54-61)		NO.	FREQUENCY OF ANALYSIS	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)		(69-70)
MOLYBDENUM, TOTAL (AS NO)	SAMPLE MEASUREMENT	6.65	7.26	(26) 1bs	****	*****	* *****	(lbs)	ô	1/WK	COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	50 DAILY ME	LBS/DY	*****	****	****	****		4 & ZKLY	COMPOS
	SAMPLE MEASUREMENT		,								•
·	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT PERMIT					6					
	REQUIREMENT				Y Y) '					
	MEASUREMENT PERMIT			<u>.</u>	-						
	REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE			OF LAW THAT I HAVE INFORMATION SUBMITT				,	TELEPHONE	E	DA	TE
David R. Shoemaker	ON M OBTAIN IS TRU NIFICA	Y INQUIRY OF THOSE NING THE INFORMATIO JE ACCURATE AND CO NT PENALTIES FOR !	INDIVIDUÁLS IMMEDIAT IN. I-BELIEVE THE SI OMPLETE, I'AM AWARE SUBMITTING FALSE IN	FELY RESPONS UBMITTED INFO THAT THERE IFORMATION, II	BIBLE FOR ORMATION ARE SIGNICLUDING	my ~	hamal				
Mine Manager		C § 1319. (Penalties un	ID IMPRISONMENT SEE der these statutes may i	nclude fines up	to \$10,000 SIGNAT	URE OF PRINCIPA		5 586			11 12
TYPED OR PRINTED			of between 6 months and 5	years.i	OFFIC	CER OR AUTHORIZ	ZED AGENT AR		ER	YEAR A	O DAY
COMMENT AND EXPLANATION OF AN	*						:				,
	•	PRECEEDING.					•				

PERMITTEE NAME/ADDRESS (Include Facility Name: Accation if different) NAME MOLYCORP INC. Q ADDRESS P. O. BOX 469 QUESTA	<u> </u>	/•						TER	Form Approved. OMB No. 2040-0004 Approval expires 6-30-91			
FACILITY	_ — — — —		YEAR		ITORING PERIO	D N	O DISCHAR	RGE FOR	ENT	RE M	HTNC	I :
LOCATION			- FROM 92	10 To	1 70 92	10 31 1	AJOR			. 1 - 11 11-	• • • • • • • • • • • • • • • • • • • •	
ATTN: DAVID R SHOEMA	AER, GEN.		<i>(20-21)</i> JANTITY OR LOADING	<u>(22-23) (24</u>	-25) (26-27) ((4 Card Only)	(28-29) (30-31) QUALITY OR CONC	NOTE: Read instr	uctions befor	1 i			
PARAMETER (32-37)		(46-53)	(54-61)	<u>::</u>	(38-45)	(46-53)	(54-61)		NO.	FREQUENC OF ANALYSIS	T	MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)		9-70)
(HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	***	*****		****					:		
00340 1 0 0 BFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		*** ****	******	DAILY AV	90 DAILY B	- COMPANY		EEKL	COR	IPOS
PH.	SAMPLE MEASUREMENT	*******	***		Sign of the second	****				`: 		
00400 1 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	MINIMUM	*****	9.0 BUNIXAN			BEKL	IGRA	1.5
SOLIDS, TOTAL	SAMPLE MEASUREMENT	****	*****	4 9	****		- 401 - 41					
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT AEQUIREMENT	*****	*****	***	******	20 DAILY AV	30 DAILY M	88.00		BERL	rcot	IPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	*****	3 ****		***							
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ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	****	****		****							ند
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.000000	.44444	*** ****	*****	0.5 DAILY AV	1.0 DAILY M	938888		BEKL	r cor	5
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	***	****		****	****						
01027 1 1 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	THE PARTY	*****	*****	0.05 DAILY M	Frynsbâd I	1	IEEKL	YCOR	190
NAME/TITLE PRINCIPAL EXECUTIVE O	FFICER I CERT	IFY UNDER PENALTY	AN HALTHAVE	PERSONALLY	EXAMINED NO BASED	•	.`	TELEPHONI			DATE	
David R. Shoem	aker stru	IFY UNDER PENALTY OF M FAMILIAR WITH THE MY INQUIRY OF THOSE OF THE MY ING THE INFORMATION OF THE MY ING THE MY ING THE MY INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INCOME IN INTEREST OF THE MY INCOME INTINETALISME. IN INCOME INTOME INTOME INTOME INTOME INTOME INTOME	M DIVIDUALS IMMEDIAT DN: I BELIEVE THE SU IMPLETE. I AM AWARE IIBMITTING FAMSFON	ELY RESPON BMITTED INF THAT THER ORMATION	ISIBLE FOR FORMATION E ARE SIG-	and 11	Canal	لعم				
Mine Manager TYPED OR PRINTED	THE P	OSSIBILITY OF FINE AN S.C. § 1319. (Penalties u maximum imprisonment of b	ND IMPNISONMENT SE nder these statutes may i etween 6 months and 5 year	E-18 U.S.C. § include fines up rs.)	1001 AND SIGNA 10 \$10,000 OF	ATURE OF PRINCIPAL FICER OR AUTHORIZ		AREA NUM		92 YEAR	11 MO	DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Refer	ence all attachments here	611-				:			<u> </u>		-

ACCILITY Name/Location if different) SAME HOLYCORP INC. QUESTA DIV. DDRESS P. O. 80 X 469			DISCHARGE MONITORING REPORT (DMR) (17-19) NM0022306 001 A				F - FINAL PROCESS WATER			OMB No. 2040-0004 Approval expires 6-30-9		
QUESTA		M 87556	• ———	IT NUMBER		ARGE NUMBER						
FACILITY LOCATION ATTN: DAVID R SHOEMA	KER. GEN.	SUPT.		MO D	01 TO 92 1	MO DAY	O DISCHARGI AJOR NOTE: Read instruc					
PARAMETER			ANTITY OR LOADING (54-61)		(4 Card Only) (38-45)	QUALITY OR CONC	ENTRATION (54-61)	·	NO.	FREQUENCY	SAMPLE	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	OF ANALYSIS (64-68)	(69-70)	
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****		****					`		
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*** ****	*****	0.15 DAILY AV		MG/L	2000	BBKLY	COMPO	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****		****	****						
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	*****	*** ****	*****	*****	DAILY MX	£.	12 x 8 600	REKLY	COMPO	
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	***		****							
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	O.3 DAILY AV	0.6 DAILY MX	MG/L		PERLY	COMPO	
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	****	***		*****							
01055 1 0 0 EFPLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		*** ****	******	■2000 (2011年 1997)、 ままました。これ	1.5 DAILY MX	MG/L		BEKLY	CON PO:	
MOLYBDENUM, TOTAL (AS: MO)	SAMPLE MEASUREMENT	****	****		***	2.1 448699 - 20 796 - 45 1 2 June - 22 1 9						
01062 1 0 0 REPLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	72175 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*** ***	*****	1.0 DAILY AV	DAILY MX	HG/L				
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	****	<u> </u>	****	****		a .		2000 2.7.60		
01092 1 0 0 EPFLUENT GROSS VALUE		****		*** ****	****	,000,000	DAILY MX			BEKLI	CORFO	
PLON, IN CONDUIT OR THRU TREATHENT PLANT	SAMPLE MEASUREMENT		RGE FOR EN			****	****		1	1.5 2 - 1 - 2		
50050 1 0 0 REPLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	REPORT DÁILY MX	MGD				***	19.80	CONTIN		
Dayid R. Shoema Mine Manager TYPED OR PRINTED	AND A ON MY OBTAIL IS THE POST OF THE POST	IFY UNDER PENALTY COM FAMILIAR WITH THE INTERPRETATION OF THOSE IN NING THE INFORMATIC CONTRESS OF FINE AND CONTRE	NFORMATION SUBMITT NDIVIDUALS IMMEDIAT NO. I BELIEVE THE SUB MPLETE ANT AWARE UBUTTING TALSE INF IN LIBERTS IMMENT. SEE INFORMENT. HEREIN; A ELY RESTON BUSTED NE THAN THEM ORMATION E 18 U.S.C. I Include fines up	AND BASED SIBLE FOR CORMATION E ARE SIG- INCLUDING 1001 AND p to \$10,000	TURE OF PRINCIPA		586	761	0 92	11 1 MO DA		
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include

PERMITTEE NAME/ADDRESS (Include Facility Name / Address of the Park State Park State NAME ADLY CORP INC. QUESTA DIV. ADDRESS P. O. BOX 469 QUESTA NA 87556			NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDE DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) NMOV22306 PERMIT NUMBER MONITORING PERIOD				F - FINAL PROCESS WATER			Form Approved. OMB No. 2040-0004 Approval expires 6-30-91		
	- 		U				NO DISCHARG	SE FOR	ENTI	RE M	: HTMC	
LOCATION			FROM 92	10 01	Υ το ΥΕΔΡ 92	10 31	MAJOR					
ATTN: DAVID R SHORMA	KER, GEN.			. (22-23) (24-25	5) (26-27) ((4 Card Only)	(28-29) (30-31)	NOTE: Read instru	ctions befo	re comp	oleting th	is form.	
PARAMETER		(46-53)	JANTITY OR LOADING (54-61)		(4 Cara Only) (38-45)	(46-53)	ONCENTRATION (54-61)		NO.	FREQUENC OF	SAMPLE TYPE	
(32-37)	,	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSI: (64-68)	s (69-70)	
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****		****							
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¥	SAMPLE . MEASUREMENT											
	PERMIT REQUIREMENT										34. 34.	
	SAMPLE MEASUREMENT	, , , , , , , , , , , , , , , , , , ,				a Canada Malaria - Ga Xan da an			200 C 40			
	PERMIT REQUIREMENT		Property Comments			2.00						
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	SAMPLE MEASUREMENT	and Alexandria of the Material Chief			HOA			·	in the view	: 30 to 2 to 2 to 3 to 3 to 3 to 3 to 3 to 3		
	PERMIT REQUIREMENT					33			2.5			
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10 P	PERMIT REQUIREMENT											
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David R. Shoemake	Y ON MY OBTAIN IS TRU NIFICA	INQUIRY OF THOSE IN NING THE INFORMATION IE, ACCURATE AND CO INT PENALTIES FOR S	OF LAW THAT I HAVE PINFORMATION SUBMITT NOIVIOUALS IMMEDIAT ON. I BELIEVE THE SU IMPLETE. I AM AWARE INBMITTING FALSE INPIN IMPRISONMENT. SEI	ELY RESPONSI BMITTED INFOR THAT THERE A FORMATION, IN	BLE FOR RMATION ARE SIG-	ind ny	huerale	کی ادر د	7603			
Mine Manager TYPED OR PRINTED	33 0.3	.O. g 1315. (Fenullies a	ND IMPRISONMENT. SEI Inder these statutes may in Netween 6 months and 5 year.	nciuue jines up i		ATURE OF PRINCI	RIZED AGENT A	5 586		92 YEAR	11 12 MO DAY	
COMMENT AND EXPLANATION OF ANY								ODE NOW		_ rean	AND TOAT	

	ME RULICURY INC. QUESTA DIV.			(2-16) (17-19) (17-19)					OMB No. 2040-0004 Approval expires 6-30 つ		
ADDRESS P. O. BUR 469		IN 87556	NBUU 2	22306 IIT NUMBER	DISCH	ADOCANIA ABED	ow weighted	,			
QURSTA	-	M 81 330 A	Year.			(a	mposite 0014	-002		•	
FACILITY		. — — — — ! !!	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ITORING PERIOD						
LOCATION			FROM 92			MO DAY 10 31	JOR				•
ATIN: DAVID R SHORMA	KZR, GEN.	SUPT.	(20-21)	(22-23) (24		28-29) (30-31) N	OTE: Read instruc	tlons befor	e com	pleting this	s form.
PARAMETER		(3 Card Only) QU/ (46-53)	ANTITY OR LOADING (54-61)	3	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO.	FREQUENCY	SAMPLE
(32-37)	\times	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	OF ANALYSIS (64-68)	(69.10)
DIGEN DEMAND, CHEM.	SAMPLE MEASUREMENT	***	****		****				T		
(HIGH LEVEL) (COD)	opnuit :	****	****	***	****	60	90	1	-	PREKLY	COMPO
EFPLUENT GROSS VALUE	PERMIT. REQUIREMENT			****		DAILY AV	DAILY MX	HG/L	1		- Cone o.
PH	SAMPLE MEASUREMENT	****	***			****	<u> </u>	1.0, 2			
00400 1 0 0	PERMIT REQUIREMENT	****	****	***	6:0	***	9.0			BEKLI	I FIN
EFFLUENT GROSS VALUE	HEQUIREMENT	3.		***	MININON	<u> </u>	MAXIMUM	SU	4	ļ	
SOLIDS; TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	***		***						
00530 1 0 0	PERMIT	***	***	**	***	20	30]		BERL	COMPO
REPLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		 	
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	*****	*****		****						
00720 1 0 0	PERMIT	****	3000 P	***	***	0.025	0.05	7		THICE	/COMPO
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L	<u> </u>	WEEK	
FLÜORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	****	- ****		****	****					
00951 1 0 0	PERMIT	***	_000000 ×	•	***	****	3.0	1 .		BEKL	COMPO
EFFLUENT GROSS VALUE	REQUIREMENT			***	<u> </u>		DAILY HX	MG/L			
ÄÄSENIC; TOTAL (AS AS)	SAMPLE MEASUREMENT	**	***		****						
01002 1 0 0	PERMIT. REQUIREMENT	***	***	***	****	0.5	1.0	7		BERL	reduo
EFFLUENT GROSS VALUE	HEQUIHEMENT			***		DAILY AV	DAILY MX	HG/L	<u> </u>	<u> </u>	
CADHIUN, TOTAL (AS CD)	SAMPLE MEASUREMENT	****	***		****	****					
01027 1 0 0	PERMIT	***	***	***	***	****	0.05	7		PERL	TCOMPO
REFLUENT GROSS VALUE				***	1		DAILY MX	MG/L		<u> </u>	
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERT	TIFY UNDER PENALTY O IM FAMILIAR WITH THE I	F LAW THAT I HAVE I	PERSONALLY TED HEREIN:	EXAMINED AND BASED	_		TELEPHON	E		DATE
David R. Shoemaker	ON MY	Y INQUIRY OF THOSE II	NDIVIDUALS IMMEDIATION. I BELIEVE THE SU	TELY RESPON	ISIBLE FOR FORMATION	<i>)</i> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 La	م			Į.
Mine Manager	NIFICA	ITY UNDER PENALTY O M FAMILIAR WITH THE II Y INQUIRY OF THOSE II NING THE INFORMATIO JE, ACCURATE AND CO ANT PENALTIES FOR SI OSSIBILITY OF FINE AN CO 1210 (Persiles in	IMPRISONMENT SE	FORMATION,	INCLUDING	and '	EXECUTIVE 50	5 1586-	7601		77 77
TYPED OR PRINTED	30 0.0	S.C. § 1319. (Penalties us maximum imprisonment of be	iuer inese siviales indy	inciaue jines u		ATURE OF PRINCIPAL FICER OR AUTHORIZI			ABER	92 YEAR	11 12 MO 07
COMMENT AND EXPLANATION OF ANY				<u> </u>				DE I		1	
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(17-19)

OMB No. 2040 0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location If different) NAME MOLYCORP INC. Q ADDRESS P. O. BOX 469 QUESTA		in 87556	NM 002	HARGE MOI (2-16)	HARGE ELIMINATION SYS NITORING REPORT (D	MR) (17-19) \$7	ow weighted MPOSITE 001+	002		Form Approve OMB No. 204 Approval expl	IO-COC4
			()	MON	ITORING PERIOD	5	<i>,</i> , , , , , , , , , , , , , , , , , ,				
FACILITY		<u> </u>	YEAR YEAR		AY YEAR	MQ DAY	AJOR				
LOCATION	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		FROM 92			10 31	i	llana hafar		nlatina thia	larm
ATTN: DAVID R SHOEMA	AER, GEN.		(20-21) ANTITY OR LOADING	(22-23) (24 3	-25) (26-27) (2 (4 Card Only)	28-29) (30-31) N QUALITY OR CONC	OTE: Read Instruc	nons before	e com	·	10/111.
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	i.	****		i	;			
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	*** ****		DAILY AV	DAILY MX	MG/L		BEKLY	COHPOS
IRON, TOTAL (AS FE):	SAMPLE MEASUREMENT	****	****		***	****	, B				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******* (C		*** ****			DAILY MX	MG/L		PERLY	COMPOS
LEAD, TOTAL (AS PH)	SAMPLE MEASUREMENT	*****	*****	,	****	Separate Sections and the Table	Laborate Program A Section	.,			204000
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		***		DAILI AV	DAILY MX	MG/L		BEKLY	LOBPO
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	244444	******		****						
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	***	******	DAILY AV	DAILY MX	MG/L		PEKLI	COMPOS
HOLIBDENUM, TOTAL (AS NO)	SAMPLE MEASUREMENT	****	224444		***			1.07.2		<u> </u>	
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT	*****	*****	***	***	DAILY AV	DAILY MX	MC/I			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****		***	***	DAIDI	110/1			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*** ****	****	******	O.2 DAILY BX	MG/L		EEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	LAFACHDENICHT :		Group 2 and A		****	****	***				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT **	REPORT DAILY MX	NGD.	*****	*****	****	***		CONTIN	FOTAL?
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERT	IFY UNDER PENALTY O	F LAW THAT I HAVE I	PERSONALLY	EXAMINED I			TELEPHONE		 	TE
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU NIFICA THE PO	INQUIRY OF THOSE !! NING THE INFORMATIO IE, ACCURATE AND CO INT PENALTIES FOR SI OSSIBILITY OF FINE AN	NDIVIDUALS IMMEDIAT IN. I BELIEVE THE SU MPLETE. I AM AWARE UBMITTING FALSE INF ID IMPRISONMENT. SE	ELY RESPON BMITTED INF THAT THERI FORMATION, (E 18 U.S.C. §	SIBLE FOR ORMATION E ARE SIGNATION 1001 AND SIGNA	TURE OF PRINCIPAL	hanales EXECUTIVE 505	586-7	601	92]	11 12
TYPED OR PRINTED	33 U.S.	.C. § 1319. (Penalties w naximum imprisonment of b	nder these statutes may l	nclude fines ut	to \$10.000	ICER OR AUTHORIZE		A NILLAG			MO DAY
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EPA Form 3320-1 (Rev. 9-88) Previous	editions may be	vsed.	(REPLACES EPA	FORM T-40 WH	HICH MAY NOT BE USED.)	013	15/900413-	2027		PAGE	2 OF

NAME MOLICORP INC. OF ADDRESS P. O. BOX 469	·	• \			DISCH			ighted ce 001+002		OMB No. 204 Approval expi	
FACILITY LOCATION ATTN: DAVID R SHOEMA	KER. GEN.	SUPT.	FROM 92 (20-21)	MO DA 10 0 (22-23) (24-	1 TO 92 (26-27) (2	MO DAY 10 31 U1 28-29) (30-31) N	AJOR OTE: Read Instruc	tions before	e com	oleting this	form.
PARAMETER		(3 Card Only) QUI (46-53)	ANTITY OR LOADING (54-61)		(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO. EX	FREQUENCY OF	SAMI
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	166
HERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****		****					,	
71900 1 0 0 RFFLUBHT GROSS VALUE	PERMIT REQUIREMENT	***	****	*** ***	****	0.001 DAILY AV	0.002 DAILY MX	MG/L		EERLY	CON
	SAMPLE MEASUREMENT										
4	PERMIT REQUIREMENT			,							
	SAMPLE MEASUREMENT			<u> </u>		O BO					
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David R. Shoemaker	1 15 140	JE. ACCUHATE AND CO	MPLEIE. I AM AWAHE	: IMAI IMEHI	E AHE SIGN I	and a	hamma ten				
Mine Manager	THE P	ANT PENALTIES FOR S OSSIBILITY OF FINE AN I.C. § 1319. (Penalties u.	ID IMPRISONMENT. SE	E 18 U.S.C. \$	1001 AND SIGNA	ATURE OF PRINCIPAL			7601	92	בנ
TYPED OR PRINTED	and or r	maximum imprisonment of b	etween 6 months and 5 yea		OF	FICER OR AUTHORIZ	ED AGENT AR	DE NUM	BER	YEAR	мо
COMMENT AND EXPLANATION OF ANY	VIOLA HUNS (Refer	ence all allachments here	,								

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. QUESTA ADDRESS P. O. BOX 469 QUESTA	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) NEO 0 2 2 3 0 6 PERMIT NUMBER DISCHARGE NUMBER PROCESS WATER					ER ()	Form Appro OMB No. 24 Approval ex		
FACILITY	#M 87556	FROM YEAR 92	MONI	`-I TO I '-I	09 30' I	NO DISCHARG	.*	•	
ATTN: DAVID R SHOEMAKER,		(20-21) JANTITY OR LOADING	(22-23) (24-	25) (26-27) ((4 Card Only)	28-29) (30-31) QUALITY OR CON	NOTE: Read instruc		`i -	
PARAMETER	(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	NO EX		TYPE
(32-37)	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-0		(69 -70)
OXIGEN DEMAND, CHEM. SAME (HIGH: LEVEL) (COD) MEASURI		****		***	,				
00340 1 0 0 PERIOD RECUIRE	EMENT 1		*** ****	*****		DAILY MX	MG/L	VEEKL	Y COMPOS
PH SAMF MEASURI	EMENT	****			□ ** ****				
EFFLUENT GROSS VALUE REQUIRE			***	HINIHUH 6.0	057749	HTXTAGA 9.0	SU	VBBKL	IGRAB
SOLIDS, TOTAL SUSPENDED MEASUR	EMENT	***		*****	6W-E			**********	T CO T DOS
EFFLUENT GROSS VALUE REQUIRE	MIT SARAS		*** ****	*****	DAILY AV	DAILY MX	MG/L	NEBAL	TCOMPOS
CYANIDE, TOTAL SAME MEASUR	EMENT	****							********
EFFLUENT GROSS VALUE	MIT CONTROL CO	*****	***	*****	0.025 DAILY AV		BG/L	WEEK	/COMPOS
PLUORIDE, TOTAL SAMM MEASUR	EMENT							**************************************	**************************************
00951 1 0 0 EFFLUENT GROSS VALUE REQUIR	EMENT	******	***	*****	-646464	J.O DAILY MX	MG/L	BEEKL	YCOMPOS
ARSENIC, TOTAL (AS AS) O1002 1 0 0	EMENT .	****	***	*** **	0.5	1.0		**************************************	TCOMPOS
EFFLUENT GROSS VALUE REQUIR		mit#Gla+++ *	***	****	DAILY AV	DAILY MX	√ √		No.
CADMIUM, TOTAL SAME MEASUR	EMENT 3	io. Sum. Los	***	****	****	0.05	<u> </u>	. DPFT	YCOMPOS
01027: 1 0 0 PER PEQUIR	EMENT	Anrespondence	***	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		DAILY MX	33		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER David R. Shoemaker	I CERTIFY UNDER PENALTY AND AM FAMILIAR WITH THE ON MY INQUIRY OF THOSE IS TRUE, ACCUPANTE AND C. NIFICANT PENALTIES EOR- THE POSSIBILITY OF FINE A 33 LISCOS 1339 (Paraller	OF TANDTHAT I HAVE I INFORMATION SUBMITI INFORMATION SUBMITION INFORMATION I BELIEVELS	PERSONALLY TED HEREIN; A TELY RESPON IBMITTED INF	EXAMINED IND BASED SIBLE FOR ORMATION	2 5 1	1	TELEPHONE		DATE
Mine Manager	7 33 0.3.0. 9 1318. (renulties :	unuei inese statutes may t	ntiude jines up		ATURE OF PRINCIPA	AL EXECUTIVE 50	5 586760		10 08
COMMENT AND EXPLANATION OF ANY VIOLATION	and or maximum imprisonment of NS (Reference all attachments her		· ·		FICER OR AUTHORI	ZED AGENT COI	NUMBER	YEAR	MO DAY

PERMITTEE NAME/ADDRESS (Include Facility Name/I,ocation if different) NAME MOLYCORP INC D	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) NMO022306 001 A		MR) (17-19) F	F - FINAL O			Form Approv OMB No. 20 Approval exp	40-0004			
ADDRESS P. O. BOX 469		M 87556		2306 IIT NUMBER		ARGE NUMBER	ROCESS WAT	P	σ_1		
FACILITY LOCATION			FROM 92	MO D		MO DAY	NO DISCHAR	GE FOR	ENT	IRE MO	NTH:
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	-25) (26-27) (NOTE: Read instru	ctions befor	e com	pleting this	s form.
PARAMETER		(3 Card Only) QU. (46-53)	ANTITY OR LOADING (54-61)	North Christian State of the Christian	(4 Card Only) (38-45)	QUALITY OR CON- (46-53)	CENTRATION (54-61)		NO.	FREQUENCY OF	SAMPLE
(32-37)		AVERAGE	√ MÁXIMUM ³	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	***	****	.*	****						
01042 1 0 0 Effluent gross value	PERMIT REQUIREMENT	*****	******	*** ****	*****	DAILY AV	DAILY H	~~		EEKLY	COMPOS
TRON, TOTAL (AS FE):	SAMPLE MEASUREMENT	***	***	4,5	****	*****		.i			
01045 1 0 0 EPFLUENT GROSS VALUE	PERMIT PERMENT	*****	******	*** ****	*****	******	DAILY M	<= 7 ·		BERLY	COMPO
LEAD, TOTAL (ASEPB)	SAMPLE MEASUREMENT	***	***	16.7	****		OCT 1 4 1997	2			
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*** ****	*****	DAILE AV				PERKLY	COMPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	*****	****	**	****						
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*** ****	*****	1.0 DAILY AV	1.5 DAILY N	s *		DEEKLY	COMPO:
MOLYBDENUE, TOTAL (AS: NO)	SAMPLE MEASUREMENT	****	****		***						
01062 1 0 0	PERMIT REQUIREMENT	*****	******	***	*****	DAILY AV	2.0 DAILY M	45.			
EFFLUENT GROSS VALUE ZINC, TOTAL	SAMPLE MEASUREMENT	****	****		****	****		1 a G/ L			
(AS ZN) 01092 1 0 0 EPPLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	*** ****	*****	******	O.2 DAILY M	2.24		BEKLY	COMPO
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TYPED OR PRINTED	and or	maximum imprisonment of b	etween 6 months and 5 year.	s.)		FICER OR AUTHORIZ	ZEDAGENT Í AÍ	REA NUM		YEAR	MO DAY
COMMENT AND EXPLANATION OF ANY V	TIOLATIONS (Refer	ence all attachments here,	1								

PERMITTEE NAME/ADDRESS (Include Fécility Name/Execution if different NAME MULY CORP INC. QUESTA DIV. ADDRESS P. O. BOX 469 QUESTA NM 87556			NM0022306 001 A PERMIT NUMBER DISCHARGE NUMBER				P - FINAL PROCESS WATER NO DISCHARGE FOR ENT			Form Approved. OMB No. 2040-0004 Approval expires 6-30		1-91
FACILITY			FROM YEAP	NO D	TORING PERIO	D DAY 09 30	NO DISCHAF	RGE FOR	ENT	RE MO)NTH:	
ATTN: DAVID R SHORMA	KER, GEN.		(20-21) JANTITY OR LOADING	(22-23) (24-	25) (26-27) (4 Card Only)	(28-29) (30-31)	NOTE: Read instruction	ructions befor				
PARAMETER:: (32-37)		(46-53)	(54-61)	· · · · · · · · · · · · · · · · · · ·	(38-45)	(46-53)	(54-61)		NO.	FREQUENC OF ANALYSIS	TYP	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)		(69-7	70)
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Mine Manager	- 30 0.0	.C. y 1915, (Fenuities i	anuer inese siaiales may i	ING FALSE INFORMATION, INCLUDING RISONMENT. SEE 18 U.S.C. \$ 1001 AND SIGNATURE OF PRINCIPAL EX se statutes may include fines up to \$10,000			505 586				08	
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY			between 6 months and 5 year e)	rs.)	OF	FICER OR AUTHO	HIZED AGENT	CODE NUM	BER	YEAR	МО	DAY
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acility Name/Location if different)	UESTA DI	y .		RGE MOI (2-16)	NITORING REPO	RT (DMR) (17-19)	MAJOR		(リ _カ)
DDRESSP. O. BOX 469			NM 002			02 A	F	orm Approv	ved.		
OUESTA		NH 87556	·	T NUMBER		ARGE NUMBER	F - FINAL C	MB No. 20	40-00	04	
				MONI	TORING PERIC		SEEPAGE TAP	ppione ex	eipo (19:3H 94	NT
ACILITY	<u> </u>		YEAR			MO DAY	41				
OCATION			FROM 92		70 92	-09 -30 -	*** NO DISC			•	
ATTN: DAVID R SHOBMA	KER, GEN.			(22-23) (24-		20 22/ (20 21/	NOTE: Read instru	ctions befor	e com	pleting th	is form.
PARAMETER	<u> </u>	(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR COI (46-53)	NCENTRATION (54-61)		1 NO. 1	FREQUENC	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	OF ANALYSIS (64-68)	(69-70)
OXYGEN DENAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****	(_{MG}) _I	****	6.7	10.0	(.19)		1/WK	COMPOS
CLUTAL CUADO ANTAL	PERMIT REQUIREMENT	\$44 \$ \$\$\$	******	***	*****	DAILI A	V DAILY HX			NACE/	
Pil	SAMPLE MEASUREMENT	*****	****	(SU	7.34	****	7.54	(12)	0	1/WK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	***	6.0 AINIAUA	*****	9.0 NUNIXAE	SU		NCE/	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	MG/L	*****	₩2 REC	EINED 🐝	(19)	000000000000000000000000000000000000000	********	COMPOS
00530 1 0 0 Eppluent gross value	PERMIT REQUIREMENT			***	******		V DAGALY TX	13		NCE/ MONT	
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	****	****	() MG/L	****	0014	.0018	(19)	***********	*****************	COMPOS
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	******	***	*****	0.025 DAILY A	V DAILY SX			HONT	
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	*****	*****	MG/L	****	*****	2.2	(19)			COMPOS
CLITARY CUMP INTOTAL	PERMIT REQUIREMENT	******		***	*****	<i><u></u></i>	3.0 DAILY MX			NONT	COMPOS
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	*****	****	MG/L	****	LESS THA	0.005	1 (: 19)	200000000000000000000000000000000000000	******************	COMP
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	****	***	204444	0.5 DAILY A	X DALLY MX			NCE/	
CADNIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	*****	****	MG/L	****		LESS THAN	(-19)	ANNAMANAMAN E	MONEY CANADAMAN AND AND AND AND AND AND AND AND AND A	COMPOS
01027 1 0 0 Eppluent gross value	PERMIT REQUIREMENT	****	****	***	***	****	L DAILY MX			HONT	
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER AND A	TIFY UNDER PENALTY OF M FAMILIAR WITH THE F Y INQUIRY OF THOSE I	NFORMATION SUBMITTE	ED HEREIN: AN	ND BASED			TELEPHONE		D .	ATE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICA	NING THE INFORMATION UE, ACCURATE AND COI INT PENALTIES FOR SI	I, I BELIEVE THE SU MPLETE I AM AWARE UBMITTING FALSE INF	BMITTED INFO THAT THERE ORMATION, II	ORMATION ARE SIGNOCLUDING	my)	hoerales	1 '-			
	33 U S	OSSIBILITY OF FINE AND C \$ 1319. (Penalties undo maximum imprisonment of	er these statutes may in	clude fines up	to \$10,000 SIGNAL	URE OF PRINCIPA		586 7			10 08
TYPED OR PRINTED			•	rwfa./	OFFI	CER OR AUTHORI	ZED AGENT COD	E NUMB	ER	YEAR	MO DAY
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SEE PERMIT PART III	FOR FURTI	HER REQUIRE	MENTS.			in the same of the same	•	•			

THERE SHALL BE NO DISCHARGE OF PLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

FERMITTEE NAME ADDRESS (Include Facility Name Location if different) NAME MOLYCORP INC.	UESTA DIV	1.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAJOR							AD	
ADDRESS P. O. BOX 469			NMOO	22306		02 A		orm Approv	ed.		· · · · · · · · · · · · · · · · · · ·
OUESTA		M 87556		NIT NUMBER		ARGE NUMBER	- FINAL O			004	
			· <u> </u>			5	EEPAGE TAP				T.
FACILITY			• • •	`	TORING PERIC	OD .	,				
LOCATION			FROM YEAR		1 то YEAR -	M° PÂY *:	** NO DISC	HARGE	1	1 2 444 5	•
ATTN: DAVID R SHOEM	KER. GEN.	SUPT	-	(22-23) (24			IOTE: Read instruc				form.
PARAMETER		(3 Card Only) QUA (46-53)			(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO.	FREQUENCY	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	STINU	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	****	MG/L	*****	LESS THAN	LESS THAN		0		COMPOS
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	0.15 DATLY AV	0.30 DAILY MX	MG/L		444444444444444444	COMPOS.
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	***	MG/L	****		OFFINITE A	(19)	9		COMPOS
C1045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	******		DATLY MX			FEEKLY	COMPOS
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	MG/L	****	LESS THAN	Tles s con an	(19)	0.	*******************	COMPOS
01051 1 0 0 EFFLUENT GROSS VALUE MANGANESE, TOTAL		*****	*****	****	*****	DAILY AV	O.6. VALLY AX	HG/L		JNCE/ Month	COMPOS
(AS MN) 01055 1 0 0	SAMPLE MEASUREMENT			MG/L		1,90	1,92 REPORT	13)	0		COMPOS
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****		DAILY AV		MG/L		MONTH	*
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	****		****	2.09	2,16	(19)	0	-	COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	****	504444	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMPOS
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	****	MG/L	****	****	.024	(19)	99999935555555	1/WK	- 000000000000000000000000000000000000
01092 1 0 0 EFFLUENT GROSS VALUE		****	*****	****	*****	*****	O.2 DAILY HX			DNCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0 270	0 205	(:03)		Andrew Specific Specific	******	[(0	DATES	ESTIMA
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT	0.379 REPORT	0.397 MEPORT DAILY MX	MGD NGD	*****	****	****	****	***********	***************************************	ESTINA
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY O	F LAW THAT I HAVE	PERSONALLY			. I	TELEPHONE		DA	TE
David R. Shoemaker Mine Manager	AND A ON MY OBTAIN IS TRU NIFICAL	M FAMILIAR WITH THE I / INQUIRY OF THOSE IING THE INFORMATION IE. ACCURATE AND CO INT PENALTIES FOR S DSSIBILITY OF FINE AN	INDIVIDUALS IMMEDIA N. I BELIEVE THE S MPLETE I AM AWARI UBMITTING FALSE II	NTELY RESPONS SUBMITTED INF E: THAT THERE NFORMATION:	SIBLE FOR ORMATION ARE SIGNOLUMNIS	and NJ	hamater				
TYPED OR PRINTED	33US	C § 1319. (Penalties und maximum imprisonment of	er these statutes may	include fines up	to \$10,000 SIGNAT	URE OF PRINCIPAL CER OR AUTHORIZI	ARE.	A NUMB		92 1	0 08 10 DAY
COMMENT AND EXPLANATION OF ANY		· · · · · · · · · · · · · · · · · · ·	ا مرودار	CER OR AUTHORIZE	COD	E NUMB		1504	<u> </u>		
SEE PERMIT PART III THERE SHALL BE NO DI	FOR FURTE	ER REQUIRE	MENTS.	R VISI	BLE FOAM E	XCEPT IN T	RACE AMOUN	rs. 4	2) 2)		

EPA Portil 3320 F (Rev. 9 88) Previous Edition's may be used.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	OUESTA DI	I •	NATIONAL POL DISCH	MAJOR	O _{AD}						
ADDRESSP. O. BOX 469			NMOO	22306	0	02 A	F	orm Approv	red.	•	· · /
QUESTA		NM 87556	PERM	AIT NUMBER	DISCI		A	MB No. 20		•	
			-	MONI	TORING PERIO		SEEPAGE TAP	denimber ek	190 (<i>inserteup</i>	T
PACILITY			- YEAR	MO DA		MO DAY	. •		-		,
LOCATION			FROM 92	09 0	1 70 92	09 30	*** NO DISC				
ATTN: DAVID R SHOEM	AKER, GEN.		(20-21)			28-29) (30-31)	NOTE: Read instru	ctions befor	e com	pleting this	form.
PARAMETER		(3 Card Only) QUA (46-53)	(54-61)	NG .	(4 Card Only) (38-45)	QUALITY OR CO (46-53)	(54-61)		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MUMIXAM	UNITS	(62-63)		(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****	(-) MG/L	****	LESS THA 0.0002	LESS THAN	(-19)	0	1/wĸ	COMPOS
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	######################################	****	****	0.001 DAILY A	G.CC2 V DAILY MX	MG/L		ONCE/ MONTH	COMPOS
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	SAMPLE MEASUREMENT		* * * * * * * * * * * * * * * * * * * *		i						
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NAME /TITLE DRINGIPAL EXECUTIVE			E LAW THAT I HAVE	PERSONALLY	EXAMINED			TELEPHONE		D.A	T E
David R. Shoemaker OBTAINING THE INFORMATION		INFORMATION SUBMIT INDIVIDUALS IMMEDIA N. I BELIEVE THE S	TED HEREIN: AN ITELY RESPONS SUBMITTED INFO	ID BASED IBLE FOR DRMATION		1					
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TYPED OR PRINTED	f between 6 months and :	5 years.)		CER OR AUTHOR	IZED AGENT ARE	A NUMB	ER	YEAR M	O DAY		
SEE PERMIT PART III	FOR FURT	HER REQUIRE	EMENTS.	א עדכדם	RIF FOAM P	чсроф ти	траск амопа	TS			

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	Hity Name/Location if different) MR MOLYCORP INC. QUESTA DIV.			DISCH	UTANT DISCH ARGE MON (2-16)	ARGE EL	IMINATIO	N SYSTEM (NPDI ORT (DMR) (17-19)	s) Major				O A	D
ADDRESSP. O. BOX 469	·		[NMO02			S	A MU	•	Fo	orm Appro			
OUESTA		M 87556	_	PERM	THUMBER		DISC	ARGE NUMBER	· F - : F]	INAL O	MB No. 2	040-00	004	
		- <u> </u>			MONIT	ORIN	G PERIC	DD .	SUM TO	TAL A	Ballon@ Oal	(pines	ეტ ჯ1-94	
PACILITY			_	YEAR	MO DA	<u>y</u>	YEAR	MO DAY						
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ATTN: DAVID R SHOEM	AKEH, GEN.	(3 Card Only) Qu	IANTITY OF	<u> </u>	(22-23) (24-2	(4 Card	<u> </u>	28-29) (30-31) QUALITY OR		lead instruc	tions pero	re com		
PARAMETER		(46-53)	(54-6				45)	(46-53)		(4-61)		NO.	FREQUENC OF ANALYSIS	Y SAMPLE TYPE
(32-37)		AVERAGE	MAXI	MUM ·	UNITS	MIM	IMUM	AVERAGE	E MA	XIMUM	UNITS	(62-63)	(64-68)	(69-70)
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	6 MONTHS I	eference all attachme PRECEEDING ONTH ONLY.	• :				-	· · · · · · · · · · · · · · · · · · ·		1,000		٠	1	

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q ADDRESS P. O. BOX 469 QUESTA		OF 9	NMO02	(2-16)		(17-19)	- FINAL ROCESS WAT	ER.	(Form Appro DMB No. 20 Approval ex	
FACILITY LOCATION ATTN: DAVID R SHOEMA	KER GEN	SUPT	FROM 9 2	140 D	TORING PERIOR AV TO YEAR 92 25) (26-27) (26-27)	08 31 NO	DISCHARG AJOR IOTE: Read instru				
PARAMETER			ANTITY OF LOADING		(4 Card Only) (38-45)	QUALITY OR CONC (46-53)			NO.	FREQUENC OF	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX (62-63)	ANALYSIS	69-70)
OXYGEN DEMAND, CHEM. (HIGH: LEVEL) (COD)	SAMPLE MEASUREMENT	***	****		****						
00340 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*** ****	*****	DAILY AV	90 DAILY MX	MG/L		REKL	Y COMPOS
PH	SAMPLE MEASUREMENT	***	***		. 4	****	į				
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00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	***	****	*****	DATLY MI	MG/L		IEEKL	I COMPO:
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01027: 1 0 0 EFFLUENT GROSS VALUE	PERMIT (REQUIREMENT	1500 ++++	5 40 35 a	***	****	*****	O.O5. DAILY MI	3 7 L	10.00	PERL	YCOMPO:
NAME/TITLE PRINCIPAL EXECUTIVE O Dayid R. Shoemake:	FFICER I CERT AND A ON MY OBTAIL	IFY UNDER PENALTY C M FAMILIAR WITH THE I INQUIRY OF THOSE I INING THE INFORMATION IE, ACCURATE AND 60 INT PENALTIES THE OSSIBILITY OF AND AN C. § 1319. (Penants u	OF LAW THAT I HAVE INFORMATION STRINGT NO INFORMATION STRINGT NO INFORMATION OF THE SU	PERSONALLY TED HEREIN; A TELY RESPON IBMITTED INF	EXAMINED AND BASED SIBLE FOR ORMATION			TELEPHON			DATE
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TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY		nuximum imprisonment of b	erween o months und 5 year	rs.)	OFI	FICER OR AUTHORIZ		DE NUN	IBER	YEAR	MO DAY
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PERMITTEE NAME/ADDRESS (Include Facility Name/Lacation if different) NAME MOLYCORP INC. O ADDRESS P. O. BOX 469 OUESTA		M 87556	NHO02	HARGE MOI (2-16)		MR) (17-19) F)1 A P I ARGE NUMBER	- FINAL ROCESS W			Form Appro OMB No. 2 Approval e:	040-000 xpires 6-	-30-91
FACILITY LOCATION			FROM 92	08 (TORING PERIOR TO YEAR 10 92	MO DAY 08 31	JOR		1. S	21 - 27 - 2 2 - 27 - 27 - 27 - 27 - 27 - 2	 	-
ATTN: DAVID R SHOEMA	KER, GEN.	(3 Card Only) QU	(20-21) ANTITY OR LOADING		(4 Card Only)	QUALITY OR CONC	ENTRATION	tructions befor	,	FREQUENC	1	MPLF
PARAMETER (32-37)	\times	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	EX	OF ANALYSIS	, T	YPE
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FLOW, IN CONDUIT OR THRU TREATHENT PLANT	SAMPLÉ MEASUREMENT	NO DISCHAI	RGE FOR EN	TRE M	CNUTH -	****	***	**				
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ERMITTEE NAME/ADDRESS (Include acklity Name/Lacquion if different) INC. QUESTA DIV. IAME MOLY CURP INC. QUESTA DIV. DDRESS P. O. BOX 469 QUESTA NM 87556			NMO02	HARGE MOI (2-16)		OMR) (17-19)	P - PINAL PROCESS WA	TER	(Form Approv OMB No. 20 Approval exp	
FACILITY LOCATION ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	FROM 92 (20-21)	MQ [TO YFAR 101	MO DAY	NO DISCHAI MAJOR NOTE: Read inst				
PARAMETER		(3 Card Only) QU (46-53)	IANTITY OR LOADING		(4 Card Only) (38-45)	QUALITY OR COI (46-53)	NCENTRATION (54-61)		NO.	FREQUENCY	Y SAMPLE TYPE
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TYPED OR PRINTED	33 U.S	.C. § 1319. (Penalties u	ND IMPRISONMENT. SE inder these statutes may i between 6 months and 5 year	include fines u	to \$10.000 SIGN	ATURE OF PRINCIF FICER OR AUTHOR	IZED AGENT	AREA NUM		92 YEAR	09 10
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Refere	ence all attachments here	2)							<u> </u>	· · · · · · · · · · · · · · · · · · ·

Facility Name/Location if different) NAME MOLYCORP INC. O	UESTA DIV	i. (a	A 1 /	ARGE MOI (2-16)	NITORING REPO	ORT (DMR) (17-19)	MAJOR	• .		1.		
ADDRESSP. O. BOX 469			- \ <i>Y</i>	22306		02 A		orm Approv	ved.			
OUESTA		M 87556		IT NUMBER			F - FINAL O	MB No. 20	40-00	004		
			- (1) 				SEEPAGE TAP	pproved ex	e en je	19181194	NT.	
PACILITY			. ()		TORING PERI	OD						
LOCATION			FROM YEAR	MO P4	1 TO YEAR 92	M°	*** NO DISC	HARGE .	1	1 ***		
ATTN: DAVID R SHOEMA	KER GEN-	SUPT	- [(22-23) (24-		(28-29) (30-31)	NOTE: Read instruc			•		m.
			ANTITY OR LOADIN		(4 Card Only)	QUALITY OR CO					Τ_	
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(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)		59-70)
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CYANIDE, TOTAL	SAMPLE	***	***		****	1		(-19)	_	- /		
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(AS;AS):				I MG/ L	*****	0.5				*************************		
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	AND A	M FAMILIAR WITH THE	INFORMATION SUBMITT "INDIVIDUALS IMMEDIAT	TELY RESPONS	IBLE FOR		, ,					
David R. Shoemaker	IS TRU	JE. ACCURATE AND CO	N. BELIEVE THE SU MPLETE AM AWARE	THAT THERE	ARE SIG.	Juni / n	hamales	_ .	,		1	1
Mine Manager	. THE PO	OSSIBILITY OF FINE AN	SUBMITTING FALSE INI ID IMPRISONMENT SEE	18 U.S.C \$ 1	1001 AND SIGNA	TURE OF PRINCIP	AL EXECUTIVE 50	5 5867	601	92	0.9.	10
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SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

- 00034/920401-1734

PERMITTEE NAME ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. (OUESTA DIV			DISCH				N SYSTEM (NPDES DRT (DMR) (17-19)	MAJOR					
ADDRESSP. O. BOX 469			\mathbb{V}		22306			02 A		Form Appro	ved.			
OUESTA	<u> </u>	N 87556	76\ H		IT NUMBER			HARGE NUMBER	F - PINAL	OMB No. 2	040-00	004		
			(v) —						SEEPAGE TA	Approval e	(pipe)	110:31:94	N T	
FACILITY				L.,			G PERIC		0001100.11					
LOCATION			FROM	YEAR 92	08 C)1 TO	YEAR 92	MO DAY 08 31	*** NO DIS	CHARGE		1 ***	\	
ATTN: DAVID R SHOEMA	KER GEN	SUPT			(22-23) (24-		L	(28-29) (30-31)	NOTE: Read inst					m.
		(3 Card Only) QUA	NTITY OR			(4 Card			ONCENTRATION		T	FREQUENC	Τ	
PARAMETER		(46-53)	(54-61)		(38	-45)	(46-53)	(54-61)		NO.	OF ANALYSIS	1 77	AMPLE TYPE
(32-37)		AVERAGE	MAXIM	IUM '	UNITS	MIN	IMUM	AVERAGE	MAXIMUM	UNITS	(62-63)			69-70)
COPPER, TOTAL	SAMPLE	***	**	****	()	*	***	1000		(19)	Ť:			
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David R. Shoemaker	ON M	INQUIRY OF THOSE	NDIVIDUALS	IMMEDIAT	ELY RESPONS	BLE FOR		2 .	" 1° [7					
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COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachments	here)											
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SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	QUESTA DE	[V• _ (LLUTANT DISC HARGE MO (2-16)		REPO	system (NPDES) R T (DMR) - 17-19)	MAJOR		•		
ADDRESSP. O. BOX 469			NHOC NHOC	22306		00	2 A	*		n Approved		
QUESTA		NH 87556	PER	MIT NUMBER	•	DISCH	RGE NUMBER	F - PINA				
<u></u>			_//	MONI	TORING	PERIO	<u> </u>	SEEPAGE !	TA IAR	ions extin	endable.	HT.
PACILITY '			- YEAR			EAR					_	
LOCATION			_ FROM 92		01 70	92	08 31	⇒⇒⇔ NO D				
ATTN: DAVID R SHOEM!	IKER, GEI		(20-21	,			8-29) (30-31)	NOTE: Read i	nstructio	ons before c	ompleting t	his form.
PARAMETER		(3 Cara Only) QC (46-53)	ANTITY OR LOAD (54-61)	ING	(4 Card Oni (38-45)		(46-53)	ONCENTRATION (54-61)			O. FREQUEN	TVDE
(32-37)		AVERAGE	MAXIMUM	BTINU	MINIM	UM	AVERAGE	MAXIMU	м	UNITE	ANALYSI 63) (64-68)	
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TYPED OR PRINTED COMMENT AND EXPLANATION OF AN	L			o years.		OFFIC	ER OR AUTHOR	RIZED AGENT	CODE	NUMBER	YEAR	MO DAY
SEE PERMIT PART III							198	·				** .

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS. EPA Form 3320-1 (Rev. 9-88) Previous Editions may be used.

Facility Name/Location if different) NAME MOLYCORP INC.	UESTA DIV	!• •			NITORING REPO		" Major			· · · · · · · · · · · · · · · · · · ·
ADDRESSP. O. BOX 469		-	W NMOO	22306	S	A MU		orm Approve	ed.	
QUESTA		M 87556 V		MIT NUMBER	DISC	HARGE NUMBER		MB No. 204		.04
				MONI	TORING PERIO	OD .	SUM TOTAL P	AHO. G. O.L.	. RAD 6.51.	
FACILITY LOCATION			FROM YEAR		YEAR	MO DAY	≎≎≎ NO DISC	uance i		e este
ATTN: DAVID R SHOEMA	KEB CEN-	SHPT.	يدر	(22-23) (24	-,	(28-29) (30-31)	NOTE: Read instru	•		
PARAMETER	CALL GEN	(3 Card Only) QUA (46-53)			(4 Card Only) (38-45)		CONCENTRATION (54-61)		NO. FREQUE	ENCY CAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX ANALY 62-63) (64-6	SIS
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.790	6.78	(26)	****	***	*****	(1bs)	0 1/V	VK COMPOS
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	IFY UNDER PENALTY O M FAMILIAR WITH THE	INFORMATION SUBMIT	TED HEREIN: A	ND BASED			TELEPHONE		DATE
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nine manager	33 U S G	OSSIBILITY OF FINE AN C § 1319. (Penalties und	ler these statutes may	include fines up	to \$10,000 SIGNAT		IPAL EXECUTIVE 50.5	_		0.9 10.
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY	<u></u>	maximum imprisonment of		o years.i	OFFI	CER OR AUTHO	RIZED AGENT ARE	NUMBE	R YEAR	MO DAY
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MOLYBDENUM - AVG 6 MOLYBDENUM - MAX C		RECEEDING.			•	•				

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

MM0022306 ADDRESS P. O. BUX 469 Flow weighted NA 87556 PERMIT NUMBER DISCHARGE NUMBER OURSTA ________ Composite 001+002 MONITORING PERIOD **FACILITY** MO DAY YEAR DAY YEAR MQ FROM MAJOR LOCATION 92 0.8 01 92 08 31 NOTE: Read instructions before completing this form. ATTH: DAVID R SHOEMAKER. GEN. SUPT. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) QUANTITY OR LOADING QUALITY OR CONCENTRATION (3 Card Only) (4 Card Only) FREQUENCY NO. SAMPLE (54-61) (38-45) (46-53) (54-61) PARAMETER OF TYPE (32-37) ANALYSIS **MAXIMUM AVERAGE** UNITS MINIMUM **AVERAGE** MAXIMUM UNITS (62-63) (64-68) 169.70, *** **キキキキキ** **** DRIGEN DEMAND. CHEM. SAMPLE MEASUREMENT (HIGH LEVEL) (COD) *** *** *** 00340 1 0 0 60 90 BEKLY COMPO: PERMIT REQUIREMENT *** DAILY AV DAILY MX MG/L RFPLUENT GROSS VALUE **杂杂杂杂杂** *** なななななな SAMPLE MEASUREMENT **** *** 立立立 立立立 9.0 BEKLYG 6:0 00400 1 0 0 PERMIT REQUIREMENT *** MINIMUM MUMIXAM SU EFFLUENT GROSS VALUE *** *** *** SOLIDS; TOTAL SAMPLE MEASUREMENT SUSPENDED. *** *** **** 20 30 REKLICOMPO: b0530 1 0 0 PERMIT REQUIREMENT *** DAILY AV DAILY MX MG/L RPPLUENT GROSS VALUE **ホ**キホホホホ **ホホホホホホ** *** CTANIDE, TOTAL SAMPLE MEASUREMENT (AS CN) *** *** *** *** 100720 1 0 0 ° 0.025 0.05 TRICE/COMPO PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L WREK *** FLUORIDE. TOTAL *** *** SAMPLE MEASUREMENT (AS F) *** 2 to to to to *** *** 느취수수수 3.0 BERLYCOMPO 00951 1 0 0 PERMIT O REQUIREMENT *** EPPLUENT GROSS VALUE DAILY HX MG/L 77 *** ARSENIC, TOTAL **** SAMPLE MEASUREMENT (AS AS) *** *** 0.5 PERLYCOM **企业**企 *** 1.0 01002 1 0 0 PERMIT REQUIREMENT *** DAILY MX MG/L EFFLUENT GROSS VALUE DAILY AV **** *** **** *** CADMIUM, TOTAL SAMPLE MEASUREMENT (AS CD) *** *** *** **** 0.05 01027 1 0 0 PERMIT ねななな **HERKLYCO**MPO REQUIREMENT *** REFLUENT GROSS VALUE DAILY MX MG/L 1 CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR NAME/TITLE PRINCIPAL EXECUTIVE OFFICER **TELEPHONE** DATE ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELT RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE, I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 100 AND 1 David R. Shoemaker Mine Manager 505 1586-7601 09 SIGNATURE OF PRINCIPAL EXECUTIVE 10 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) AREA OFFICER OR AUTHORIZED AGENT TYPED OR PRINTED NUMBER YEAR MO COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(2-16)

(17-19)

NAME BULICURY INC. QUESTA DIV.

OMB No. 2040-0004

Approval expires 6:30 11

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q	UESTA DI	"•	DISC	HARGE MON (2-16)	NARGE ELIMINATION SYS	MR)	ow weighted			Form Appro- OMB No. 20 Approval exp	040-0004
ADDRESS P. O. BOX 469			-/ }	22306						vebiosa exi	pires 6-30-8
QUESTA		NM 87556 €	PERM	MIT NUMBER	DISCH	ARGE NUMBER CO	MPOSITE 001+	002			
FACILITY				MON	ITORING PERIOD		•		•		
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)			NATIONAL POLI DISC	LUTANT DISCH CHARGE MO	HARGE ELIMINATION SYS NITORING REPORT (D	STEM (NPDES) (MR)		D		A Pro-
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David R. Shoemaker	IS TRUI NIFICAL	E, ACCURATE AND COUNT PENALTIES FOR SU	N. I BELIEVE THE SUE MPLETE. I AM AWARE JBMITTING FALSE INFO	THAT THERE DRMATION, II	ARE SIG-	and ()	pora	7 kg = ==	,	, .	.
Mine Manager	THE PC	DSSIBILITY OF FINE AN .C. § 1319. (Penalties ur	D IMPRISONMENT. SEE Inder these statutes may in	18 U.S.C. § clude fines up	1001 AND SIGNA	TURE OF PRINCIPAL		5 586-76		91 10	
TYPED OR PRINTED			etween 6 months and 5 years	.)	I OFF	FICER OR AUTHORIZ	ED AGENT CO		R	YEAR A	10 DAY
COMMENT AND EXPLANATION OF ANY V	HOLATIONS (Kejere	псе ин инисптент пегеј	•					•			•

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	SUBCUS DE	f	DISCH	ARGE MO	HARGE ELIMINATION NITORING REPO	RT (DMR)	1100 F	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج		Market
ADDRESS P. O. BOX 469	SOESIR DI	<u>'</u>		(2-16) 22306		(17-19) 32 A :	AJOR For	n Approved: B.No2040=0	MED	
OUESTA		NM 87556'\		IT NUMBER			- FINALApp			
		<u> </u>	\ \				4 ' 1			N T
FACILITY			√	MONI	TORING PERIO	D	EEPAGE TAI	ביים דינוריים	1961	" 4
LOCATION		/	FROM YEAR		01 TO YEAR 91	MO DAY 09 30 ≎	## NO DISC	URDER I		`. I
ATTN: DAVID R SHOEM	KER GEN.	SIDT		(22-23) (24			NOTE: Read instru			nis form.
ATTION DICTION OF THE PROPERTY			ITITY OR LOADIN			QUALITY OR CON		UVV		
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)		O. FREQUENCES OF ANALYSIS	TVDE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	LINITS	2-63) (64-68)	(69-70)
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	*****	****	(MG/L)	*****	4.75	8.0	(19) C	1/WK	COMPOS
00340 1 0 0	PERMIT	000000	*****	***	****	60	90		DNCE	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	1	MG/I	MONT	· · · •
PH	SAMPLE	****	***	(SU)		****		(12)		
	MEASUREMENT			, , ,	7.4		7.5	\ \/\c) 1/WK	CRAF
00400 1 0 0	PERMIT	*****	200000	***	6.0	*****	9.0		DNCE/	SRAB
EFFLUENT GROSS VALUE	REQUIREMENT			****	MINIMOM		MAXIMUM	SU.	MONT	
SOLIDS, TOTAL	SAMPLE	***	****	(MG/L)	*****			(19)		
SUSPENDED	MEASUREMENT]		0.93	1.0]	1/WK	COMPOS
00530 1 0 0	PERMIT	****	****	***	****	20	30		DNCE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY MX	MG/L	MONT	H
CYANIDE, TOTAL	SAMPLE	***	****	(MG/L)	****	less than	less than	(19)		
(AS CN) x	MEASUREMENT	·				0.001	0.001] ` `[0) 1/WK	COMPOS
00720 1 0 0	PERMIT	*****	****	***	****	0.025	0.05		DNCE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY MX	MG/L	MONT	н
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	****	*****	(MG/L)	*****	****	2.3	(19)) 1/WK	COMPCS
00951 1 0 0	PERMIT	*****	*****	****	****	*****	3.0	1	DNCE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L	MONT	4
ARSENIC, TOTAL	SAMPLE	****	****	(MG/L)	****	less than	less than	(19)	7 /222	201/2
(AS AS)	MEASUREMENT					0.01	0.01			COMP
01002 1 0 0	PERMIT REQUIREMENT	****	*****	***	*****	0.5	1.0		DNCE/	COMPOS
EFFLUENT GROSS VALUE		****	4.4.4.4.4.4.	****		DATLY AV			TNON	8
CADMIUM, TOTAL	SAMPLE MEASUREMENT	****	***	(MG/L)	*****	****	1000 011011	(:19)	7 /5-752	COMPOS
(AS CD):		200000	******				0.02			
01027: 1 0 0:	PERMIT REQUIREMENT	******	******	1~~~	****	****	0.05			COMPOS
EFFLUENT GROSS VALUE		IFY UNDER PENALTY OF	LAW THAT I HAVE	PERSONALLY	EXAMINED		DAILY MX	TELEPHONE	MONT	HI ATE
NAME/IIILE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE IN	FORMATION SUBMITT	ED HEREIN: A	ND BASED		1	TELEPHONE		.
David R. Shoemaker	OBTAIN IS TRU	ING THE INFORMATION. IE. ACCURATE AND COM	I BELIEVE THE SU PLETE, I AM AWARE	UBMITTED INF	ORMATION ARE SIG		home 1.			
Mine Manager	NIFICAN THE PO	NT PENALTIES FOR SU DSSIBILITY OF FINE AND	BMITTING FALSE IN IMPRISONMENT SEE	FORMATION, 18 U.S.C 5	INCLUDING 1001 AND SIGNATI	UBE OF BOILDING	L EXECUTIVE 505	586-760	01 91 1	.0 03
TYPED OR PRINTED	33USC	C § 1319. (Penalties under maximum imprisonment of b	these statutes may in	nclude fines up	to \$10,000 SIGNATO	URE OF PRINCIPAL CER OR AUTHORIZ	FD AGENT ARE	A NUMBER		MO DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Re	eference all attachments	here)				COD)E		
000 DECRETA 5150 TTT	500 500									

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

Facility Name/Location if different) NAME MOLYCORP INC.	OURSTA DI	tr	DISCHA	RGE MO	NITORING REPO	RT (DMR)	1100 F				
ADDRESS P. O. BOX 469	ZOESIR DI	"-	•	(2·16) 22306		(17-19) 02 A	AJOR For	n Approved. B No2040-0	ME	<u> </u>	1
OUESTA		NM 87556	-	T NUMBER			∵- FINAIApp				1
		<u> </u>	\mathcal{Q}				Y Y	•			+
FACILITY			V -		TORING PERIC		EEPAGE TAI	-10CF -18	1991	10100	Ī
LOCATION		`.	FROM YEAR		01 TO YEAR -	MO PAY ≈	** NO DISC	HARGE I	τ- ₁	***	
ATTN: DAVID R SHOEMA	KER. GEN	• SUPT•	- []	(22-23) (24-	1 1 -1		OTE: Read instru				form.
		(3 Card Only) QUA	NTITY OR LOADIN	G	(4 Card Only)	QUALITY OR CON				EQUENCY.	SAMPLE
PARAMETER (32-37)	\sim	(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	T	140.	OF NALYSIS	TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	52-63)	(64-68)	(69-70)
COPPER, TOTAL	SAMPLĖ	****	****	(MG/L)	****	less than	less than	(19)			
(AS CU)	MEASUREMENT			,		0.03	0.03		0 1	/WK	COMPOS
01042 1 0 0	PERMIT	*****	****	****	****	0.15	0.30		þi	ICE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX			IONTH	
IRON, TOTAL	SAMPLE	****	****	(MG/L)	****	***	0.16	(119)	0 1	/WK	COMP
(AS FE)	MEASUREMENT								_ _		
01045 1 0 0	PERMIT REQUIREMENT	****	****		*****	****	0.6		WI	SEKLY	COMPOS
EFFLUENT GROSS VALUE			4.4.4.4.4.4.	****			DAILY MX				
LEAD, TOTAL	SAMPLE MEASUREMENT	****	***	(MG/L)	****	Tess chan	less than	(19)		/T.TT2*	COMPOS
(AS PB)		*****	*****	ر المالية المالية	****	0.1	0.1		000000000000000000000000000000000000000		COMPOS
01051 1 0 0	PERMIT REQUIREMENT	******	******	***	*****	0.3	0.6	4041			COMPOS
EFFLUENT GROSS VALUE MANGANESE, TOTAL	,	****	****	<u></u>	****	DAILY AV	DAILY MX			IONTH	
(AS MN)	SAMPLE MEASUREMENT			(Mg/I)	4.44.44	1.71	1.88	(19)	0 1	/WK	COMPOS
01055 1 0 0	PERMIT	*****	*****	***	*****	REPORT	REPORT		n:	ICE/	COMPOS
EFFLUENT GROSS VALUE	DECLIORA PAIR			***		DAILY AV		MG/I		ONTH	
MOLYBDENUM, TOTAL	SAMPLE	****	****	(MG/I)	****			(19)			
(AS MO)	MEASUREMENT			V 17/0/16		1.89	1.94	\	0 1	/WK	COMPOS
01062 1 0 0	PERMIT	*****	*****	***	*****	REPORT	REPORT		01	ICE/	COMPOS
EFFLUENT GROSS VALUI	REQUIREMENT			***		DAILY AV		MG/L		ONTH	
ZINC, TOTAL	SAMPLE	****	****	(MG/L)	****	****		(-19)			
(AS ZN)					,		0.01		0 1	/WK	COMPOS
01092 1 0 0	PERMIT	***	***	***	*****	****	0.2		DI	ICE/	COMPOS
EFFLUENT GROSS VALUE	REGUIREMENT			***			DAILY MX			HTHO	
FLOW, IN CONDUIT OR	SAMPLE	0.410	0.450	(٤03)	***	*****	***	(MGD)	0 🚘		COMPOS
THRU TREATMENT PLANT	MEASUREMENT	0.418	0.458]	***********		ESTIM
50050/ 1: 0/ 0:	PERMIT REQUIREMENT	REPORT	REPORT		****	****	****		D/	ILY	ESTIMA
EFFLUENT GROSS VALUE		DATLY AV			EVAMINED		1	****			T E
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	INFORMATION SUBMITTE	D HEREIN: AF	ND BASED		1 —	TELEPHONE		DA	
David R. Shcemaker	. OBTAIN	ING THE INFORMATION	N, I BELIEVE THE SU	BMITTED INF	ORMATION	1 1 1 1	1 - 1				
Mine Manager	NIFICAL	NT PENALTIES FOR S	UBMITTING FALSE INF	ORMATION, I	NCLUDING C	URE OF PRINCIPAL	EVECUTIVE 50	5 586-760	01 9	1 10	03
TYPED OR PRINTED		C § 1319. (Penalties und maximum imprisonment of			to \$10,000	CER OF PRINCIPAL	- A D.E.			EAR M	
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	ejerence all attachment	s here)		1		COD	/E			
SEE PERMIT PART TIT	POR PURT	HER REQUIES	CMENTS.					•			

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. QUESTA DIV.			DISCH	ARGE MO	HARGE ELIMINATION NITORING REP	ON SYSTEM (NPDES) PORT (DMR) (17-19)	MAJOR =				
ADDRESS P. O. BOX 469	ZOLIJIR DI	· 		(2·16) 22306		002 A	naoon F	orm Approved MB No. 2040	0004	/FD	
OUESTA		M 87556		IT NUMBER		CHARGE NUMBER	F - FINALA	pproval expir	es 6-30	91.	1
			.0.	MONI	TORING PERI	OD	SEEPAGE T	AILING	MPQU	NOMEN	T
PACILITY			YEAR	MO D	AY YEAR	MO DAY				ł	
LOCATION DAWED PORTO	Lann (and		FROM 91		01 10 91	09 30	*** NO DI				
ATTN: DAVID R SHOEM	AKER, GEN		(20-21) ANTITY OR LOADIN	(22-23) (24 IG	25) (26-27) (4 Card Only)	(28-29) (30-31)	NOTE: Read ins	** -4 h	10 1	**	10/11/
PARAMETER		(46-53)	(54-61)	· · · · · · · · · · · · · · · · · · ·	(38-45)	(46-53)	(54-61)		NO.	PEOHENCY OF NALYSIS	TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	l i	(64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****	(MG/L	****	less than	less than	n (*19)	0 1	L/WK	COMPCS
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT	*****	*****	****	*****	0.001 DATLY A	O.00 V DAILY		E-000000000000000000000000000000000000	NCE/ Month	COMPOS
	SAMPLE MEASUREMENT				,						
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT		•				-				
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	••									
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	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE INFORMATION SUBMITT INDIVIDUALS IMMEDIAT	ED HEREIN: A	ND BASED		1	TELEPHONI	E	- D A	TE
David R. Shcemaker Mine Manager	OBTAIN IS TRU NIFICAN	ING THE INFORMATION E ACCURATE AND CONTROL IT PENALTIES FOR S	M. I' BELIEVE THE SL MPLETE, I AM AWARE SUBMITTING FALSE IN: ID IMPRISONMENT, SEE	BMITTED INF THAT, THERE FORMATION,	ORMATION ARE SIG	anion	Shown	E05 506 7	601	01 1/	0 03
TYPED OR PRINTED	33 U S G	C § 1319. (Penalties und	der these statutes may i f between 6 months and 5	nclude fines up	10 \$10,000 SIGNA	TURE OF PRINCIF FICER OR AUTHOR	IZED AGENT	505 586-7		91 10 YEAR M	O DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachment	s here)		- <u></u>	•	<u>_</u>	WEL:	L		
SEE PERMIT PART: III THERE SHALL BE NO DI				R: VISI:	BLE FOAM !	EXCEPT IN	TRACE AMOI	UNTS.	•		•

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

Facility Name/Location if different) NAME MOLYCORP INC.	ነበድሩጥል- ከተመ	I .	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPD. DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)				DMR)			
ADDRESS P. O. BOX 469	SOBDIN DI	·		22306		UM A:	FORM FORM	-Appioved: 1 -No-2040-0		İ
OUESÍA		M 87556 w	-	TNUMBER			- FI NAJAPPI			i
							UM TOTAL 8			i
PACILITY			YEAR	MONII	ORING PERIC	MO DAY		71	7	
LOCATION			FROM 1591	<u> </u>		 09 30 *	** NO DISC			
ATTN: DAVID R'SHOEMA	KER, GEN.			(22-23) (24-2:			IOTE: Read instruc	ŢijŎŊ \$ ſĿefōr <u>e</u> ſ	completing	this form.
PARAMETER		(3 Card Only) QUA (46-53)	(54-61)	G	(4 Card Only) (38-45)	QUALITY OR CON((46-53)	CENTRATION (54-61)		IO. FREQUE	TVDE
(32-37)		AVERAGE	MUMIXAM	UNITS	MINIMUM	AVERAGE	MAXIMUM	HNITS	2-63) (64-68	
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.43	6.50	(26)	****	*****	****	(lbs/by	0 1/WK	COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MX	LBS/DY	000000	****	****	****	HEEK	LYCOMPOS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT						L			
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE INFORMATION SUBMITTI	ED HEREIN: AND	BASED) .	<u> </u>	TELEPHONE		DATE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAN	IING THE INFORMATION IE ACCURATE AND CONT PENALTIES FOR S	INDIVIDUALS IMMEDIATI N. I BELIEVE THE SU IMPLETE. I AM AWARE ILUBMITTING FALSE INF D IMPRISONMENT SEE	IBMITTED INFOR THAT THERE A FORMATION, INC	RMATION ARE SIG		reenater 505	586 – 760	1 91	10 03
TYPED OR PRINTED	33US0	C § 1319. (Penalties und	ler these statutes may in between 6 months and 5 y	iclude fines up to	0 \$10,000 SIGNAT	URE OF PRINCIPAI CER OR AUTHORIZ	ADE	NIMBER		MO DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Re	ejerence all attachment	s here)		A		1,000			
MOLYBDENUM - AVG 6	MONTHS P	RECEEDING.	, *							

PERMITTEE NAME/ADDRESS (Include Faility Name/Location if different)			NATIONAL POLL DISC	LUTANT DISCH HARGE MON	IARGE ELIMINATION SYS NITORING REPORT (D	STEM <i>(NPDES)</i> DMR)				-	
FRillity Name/Location if different) NAME HOLYCORP INC.	UESTA DIV	<u> </u>		(2-16)		(17-19)	- PINAL			_	
ADDRESS P. O. BOX 469			NM002	22306		01 A P	ROCESS W	RECEIV	ED	1	
QUESTA	<u>_ N</u>	M 87556	PERM	IIT NUMBER	DISCH	IARGE NUMBER		-			
		<u> </u>	\cap	MON	ITORING PERIO	<u> </u>	10 FLOW FOR	ENT TRE	ONTH		
FACILITY		2	YEAR		AY YEAR	MO DAY		SEP 2 19	191		
LOCATION			FROM 91	08)1 TO 91		AJOR		. 1		
ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-			NOTE: Read I nst	ructions befor	complet	ng this fe	orm.
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	à	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION <i>(54-61)</i>	6W-E		ОПЕИСЛ	SAMPLE
(32-37)	\sim	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		OF ALYSIS	TYPE
		ļ. <u></u> .		UNITS	ļ	AVERAGE	WAXIVIOW	UNITS	(62-63) (54-68)	(69-70)
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	***	aja aja aja aja aja aja		*****						
00340 1 0 0	PERMIT	****	****	***	*****	50	90)	WE.	SKLYC	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT	₹\$\$\\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		***			DAILY	IX MG/L	77 973 677		6 70 1 W
PH	SAMPLE MEASUREMENT	****	***			****					
00400 1 0 0	PERMIT	* ****	*****	***	6.0	****	9.0)	HE	EKLYG	RAB
EFFLUENT GROSS VALUE	REQUIREMENT			***	MINIMUM		MAXIMUN	SU			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	****		****		,				,
00530 1 0 0	PERMIT	****	*****	***	****	20	30)	WE	SKLYC	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***	* * * * * * *	DAILY AV	DAILY P	IX MG/L	2		
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	*****	****		****						
00720 1 0 0	PERMIT	****	****	***	*****	0.025	0.05	5	TW	CE/C	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV		IX MG/L	1	EEK	
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	*****	*****		****	****					
00951 1 0 0	PERMIT	~ *****	* ****	***	*****	****	3.0) .	HE	SKLYC	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT	Ž.,	-wallik	****		2.8	DAILY	IX MG/L			
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMEN T	1: PRIMIT	~		***					-	
01002 1 0 0	PERMIT	*DMR'S	m. Yosa 🔆 🔾	***	****	0.5	1.0)	WE	EKLYC	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT	4 . Vio. Su		***		DAILY AV	DAILY	IX MG/L			
CADMIUM, TOTAL	SAMPLE 1	يرايللان يها	pondence: **		***	*****					
(AS CD)	MEASUREMENT =	6 · Corre	po								
01027 1 0 0	PERMIT	**************************************	led*****	***	***	****	0.05	5:	#E	SKLYC	OMPOS
EFFLUENT GROSS VALUE	REQUIREMENT	Date F	Inits	***	47,000		DAILY				4.344
NAME/TITLE PRINCIPAL EXECUTIVE OF	FFICER CERTI	FY MADEB PENALTY O	F LAW THAT I HAVE P	ERSONALLY	EXAMINED ND BASED		1	TELEPHONE		DAT	E
David R. SHOemaker	ON MY OBTAIN IS TRU	M-AMILIAR WITH THE II INQUIRY OF THOSE IN ING THE INFORMATIO E, ACCURATE AND COI NT PENALTIES FOR SU DSSIBILITY OF FINE AN	NDIVIDUALS IMMEDIATI N. I BELIEVE THE SUE MPLETE. I AM AWARE	ELY RESPONS BMITTED INFO THAT THERE	SIBLE FOR DRMATION ARE SIG-	with I	henaly				
Mine Manager	NIFICAL THE PO	NI PENALTIES FOR SU DSSIBILITY OF FINE AN	JEMITTING FALSE INFO D IMPRISONMENT, SEE	ORMATION, II	1001 AND SIGNA	TURE OF PRINCIPAL	EXECUTIVE	05 586-7	501 91	. 09	09
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties un aximum imprisonment of be	ider these statutes may in	iclude fines up	to \$10.000	ICER OR AUTHORIZE	DAGENT	AREA NUMB		AR MO	DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here)	·								

Facility Name/Location if different)			NATIONAL POLI DISC	LUTANT DISC	NITORING REPORT (L	STEM (NPDES)				,		
	MOLYCORP'INC. QUESTA DIV					(17-19) *	TAY ILAY		7	:		
ADDRESS P. O. BOX 469			NMOO	22306	0.	01 A P	ROCKECE	MED	1			
QUESTA		M 87556	· -	IT NUMBER		IARGE NUMBER			1			
							IO FLOW FOR	ENTET OF M	אילאר			
FACILITY		· — — — —	×		IITORING PERIO)	O FLOW FOR 2	1991 L) I			
LOCATION			FROM YEAR		DAY TO YEAR O		AJDR		1	,		
ATTN: DAVID R SHOEMA	KER. GEN.	SUPT	(20-21)	(22-23) (24			OT Beed instru	ctions before	comple	tina this	form.	
			ANTITY OR LOADING		(4 Card Only)		ENTRATION			REQUENCY		
PARAMETER		(46-53)	. (54-61)	1	(38-45)	(46-53)	(54-61)		EX	OF	SAMPI TYPE	
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		NALYSIS (64-68)	(69-70	
COPPER, TOTAL	SAMPLE	****	****		****			1	02 05)	10.00	102.70	<u></u>
(AS CU)	MEASUREMENT									ļ		
01042 1 0 0	PERMIT	*****	******	***	**********	* · · · · · · · · · · · · · · · · · · ·	0.30	,	× 17 E	EKLY	COMD	oc.
EFFLUENT GROSS VALUE	REQUIREMENT			***	1 × 300 22 22 23	DAILY AV	1 7 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1	Ø 1		EALI	JUNP	JO
IRON, TOTAL	SAMPLE	****	***		****	*****	DATEL	IIG/L	20 00 11 . 1	Michigan II		
(AS FE)	MEASUREMENT						-		.			,
01045 1 0 0	PERMIT	******	**********	***	****	*****	0.6	al F	S. (.) /\$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20,40	
EFFLUENT GROSS VALUE	DECHIOCMENT			***				HC/T	8.74 2	EKLY	LUMP	JO
LEAD, TOTAL	SAMPLE	***	***	****	***		DAILY MX	MG/L	* · 5 · 3 · 30	C. M. M. M.	Millionie Sais II	<u>k (2000</u>
(AS PB)	MEASUREMENT											
01051 1 0 0	PERMIT	*****	* ******	*****	*****	0.3	0.6	† †		1787 8	TO M D	~ ~ ~
EFFLUENT GROSS VALUE	DECLUSE LENT			***		1	DAILY MX			EKLY		
MANGANESE, TOTAL	SAMPLE	***	****	-Ar-Ar-Ar-Ar-Ar	***	DALLIAV	DALLI MA	C MG/ L	* * * *		<u> </u>	1331
(AS MN)	MEASUREMENT											
01055 1 0 0	PERMIT	******	*****	***	******	1.0	1.5	-	- (5.58.58.9%	0000	2042	~~
EFFLUENT GROSS VALUE	DECHIDEMENT			***			DAILY HX	31		EKTA	JUBP	JS
MOLYBDENUM, TOTAL	SAMPLE	***	***	4.4.4.4	****	DAILI AV	PAILI NA	BG/L	<u>(j. 13.88</u> 526			e-felliller
(AS MO)	MEASUREMENT		A. 4. 4. 4. 4. 4.		An de standarde de							
01062 1 0 0	PERMIT	******	******	****	*****	La la la la la la la la la la la la la la		· •				
EFFLUENT GROSS VALUE	PEOUPPEACE			***	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
ZINC, TOTAL		****	***	****	****	DAILI AV	DAILY MX	BG/L		<u>(</u>		
(AS ZN)	SAMPLE MEASUREMENT		- Abrada aka aka aka		********	******						
01092 1 0 0	PERMIT	****	***	*****	****	******	0.2	a		DW E W	2000	
EFFLUENT GROSS VALUE	PEOILDEMENT			***			DAILY MX		70 2	SEKTA	JUNP	JO
FLOW, IN CONDUIT OR	SAMPLE.		Control of the Contro		****	***	DAILI NA					-360/
THRU TREATMENT PLANT	MEASUREMENT					- 15- miles miles miles miles	2.2.2.2.2.2.2.	` -		1		
50050 1 0 0	DEDMIT	REPORT	REPORT		****	****	*****	t h		NTIN	80m b	· ·
EFFLUENT GROSS VALUE		DATIVAU	DAILY MX	MCD		4	******	****				
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David R. Shoemaker	OBTAIN IS TRUI	FY UNDER PENALTY O I FAMILIAR WITH THE IN INQUIRY OF THOSE IN IING THE INFORMATIO E, ACCURATE AND CON NT PENALTIES FOR SL SSIBILITY OF FINE ANI C \$ 1319 (Pagaliar un	N. I BELIEVE THE SUE MPLETE. I AM AWARE	MITTED INF	ORMATION SARE SIG-	us 1	bornate	١ .			'	
Mine Manager	NIFICAL THE PO	NT PENALTIES FOR SU SSIBILITY OF FINE AND	JBMITTING FALSE INFO D IMPRISONMENT. SEE	ORMATION, I	NCLUDING 1001 AND SIGNA	TUDE OF BRINGIPAL	EXECUTIVE 50	5 586-76	01 9	01 09	09	4
TYPED OR PRINTED	7 00 0.0.	C. § 1319. (Penalties un aximum imprisonment of be	uer inese siuiutes muy in	ciude jines up		TURE OF PRINCIPAL ICER OR AUTHORIZE				EAR M		AY
COMMENT AND EXPLANATION OF ANY V					. 1 3		Cor	DE NOMBE	·· •	-An M	V 101	• •
	, ,					•						

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC • C	UESTA DIV		DISC	LUTANT DISCH HARGE MON (2-16)	IARGE ELIMINATION SY NITORING REPORT (I	DMR)	PINAL		,			•
ADDRESS P. O. BOX 469 QUESTA		M 87556 .	NM002	22306 HIT NUMBER		01 A P	ROCESS H	PECEIV	ED	,		•
			\mathcal{D}_{\perp}	MON	ITORING PERIO		NO FLOW FO	R ENTIRE	g MONTE	1		
FACILITY			YEAR YEAR	MO D	AY YEAR	MO DAY	I I	SEP 1 2 1	331	1 1		
LOCATION DAYED D SUCEMA	VED CON		FROM 91		<u>11 10 31 </u>		AJOR			1	io form	-
ATTN: DAVID R SHOEMA	AER, GEN.		. (20-21) JANTITY OR LOADING	(22-23) (24-	25) (26-27) (4 Card Only)	(28-29) (30-31) [QUALITY OR CON	NOTE: Read in the	6VV-1	E Combi	1		
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(\$4-64)		EX EX	BEQUENC OF		MPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)	3	69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	*****	***		****							
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	****	0.001 DAILY AV	2: 2: 32.00 G 7 Year of the contract of the co	82446000	187/2000/00/100	EEKL	000A • 00000000	1POS
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	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OF	FFICER I CERTI	FY UNDER PENALTY C	F LAW THAT I HAVE P	ERSONALLY I	EXAMINED ND BASED		1	TELEPHONE		D	ATE	
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRUI NIFICAI	INQUIRY OF THOSE II IING THE INFORMATIC E, ACCURATE AND CO NT PENALTIES FOR SI	NDIVIDUALS IMMEDIATI IN. I BELIEVE THE SUB MPLETE. I AM AWARE UBMITTING FALSE INFI ID IMPRISONMENT. SEE	ELY RESPONS BMITTED INFO THAT THERE ORMATION, II	SIBLE FOR DRMATION ARE SIGNCLUDING	my /	exemaly	505 586-7	601	91 (09	09
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties ui	nder these statutes may in etween 6 months and 5 years	iclude fines up	to \$10.000	ATURE OF PRINCIPAL FICER OR AUTHORIZI	ED AGENT A	AREA NUMB		YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY V			· · · · · · · · · · · · · · · · · · ·		!			JUJE				
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	ጎጠድፍጥል ከፕ፣	V 2 m	DISCHA	ARGE MOI	HARGE ELIMINATION NITORING REPO	RT (DMR)	AJOR Form				
ADDRESS P. O. BOX 469	OUGSIA DI			(2-16) 22306		02 A:	1.011	n Approved.	A A		
OUESTA		NM 87556	1	T NUMBER		ARGENUMBER P	I_ PREAM	No 2040-00 roval expires	6-30-91.		
		<u> </u>				s s	EEPAGE TAI			ENT	
FACILITY		:	YEAR		TORING PERIO	MO DAY	CED I	2 1901			
LOCATION			_ \FROM 1207		01 70 1 91		** NO DISC	HARGE	<u> </u>	*	
ATTN: DAVID R SHOEM	AKER, GEN.			(22-23) (24-			OTE Read instru		ompleting	this for	rm.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	ENTRATION 6W	-EA	O. FREQUE	NCY SA	AMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE ·	MAXIMUM	UNITS (62	-63) (64-68	1	(69-70)
OXYGEN DEMAND, CHEM (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	5.5	11.0	(19)) 1/WK	СО	MPOS
00340 1 0 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	****	*****	**** ****	*****	50 DAILY AV	90 DAILY MX	MC /I	DNCE		MPOS
PH	SAMPLE MEASUREMENT	****	. *****	(su)	7.0	****	7.4	(12)) 1/WK		RAE
00400 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	**************************************	****	6.0 MINIBUM	*****	9.0 MAXIMUM	SU	DNCE		AB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	*****	(MG/L)	****	1.2	1.6	(:19)) 1/WK		OMPOS
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	20 DAILY AV	30 DAILY MX	MG/I	DNCE		MPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	****	****	(MG/L)	*****	less than	less than 0.001	(:19)) 1/WK		OMPOS
00720 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	******	*** ****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L	DNCE		MPOS
FLUORIDE, TOTAL (AS P)	SAMPLE MEASUREMENT	****	****	(MG/L)	*****	*****		(19)) 1/WK		OMPOS
00951 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	****	*******	****	****	46772	3.0 DAILY MY	MG/L	ONCE		MPOS
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	alle alle alle site alle alle Apr apr apr apr apr apr	. Sport of the sport of	(MG/L)	*****	less than	less than	(:19)) 1/WK	CC	OMP
01002: 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	****	0.5 DAILY AV	1.0 DAILY MX	MG/L	DNCE		MPOS
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	****	***	(MG/L)	****	****	less than 0.02	(2.19)	0 1/WK	cc	OMPOS
01027-1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	******	****	****	****	0.05 DAILY MX	MG/L:	DNCE		MPOS
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT		OF LAW THAT I HAVE					TELEPHONE		DATE	£
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU NIFICAN	I INQUIRY OF THOSE IING THE INFORMATION IE. ACCURATE AND CO NT PENALTIES FOR S	INDIVIDUALS IMMEDIATI N. I BELIEVE THE SL MPLETE. I AM AWARE SUBMITTING FALSE INF ID IMPRISONMENT SEE	ELY RESPONS BMITTED INFO THAT THERE FORMATION, II	IBLE FOR ORMATION ARE SIGNCLUDING	and a	Joseph Son	586-760	1 91	09	09
TYPED OR PRINTED	33 U S	C § 1319. (Penalties und	der these statutes may in f between 6 months and 5 y	iclude fines up	to \$10,000 SIGNAT	URE OF PRINCIPAL CER OR AUTHORIZE	ADE	A NUMBER		MO	DAY
COMMENT AND EXPLANATION OF AN	Y VIOLATIONS (Re	eference all attachment	s here)				1 000	· <u>La l</u>	`,		

SEE PERMIT PART III FOR FURTHER REQUIREMENTS. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

Facility Name/Location if different)	DUESTA DI	7 . :	DISCHA		TORING REPO	RT (DMR)	AJOR Form	A	•	· · · .
ADDRESS P. O. BOX 469		· 	NMOO			02 A		n Approved. No. 2040-000	4	
QUESTA		NM 87556 \	•	TNUMBER		ARGE NUMBER	FINADA	oval expires 6	30-91.	
				*40.11.		SI	EPAGE TAI			NT
PACILITY			YEAR	MO DAY	ORING PERIO	MO DAY			· •	•
LOCATION			№ ROM 1 91		1 10 1 91	™08 31 **	NO DESC	AR COR	***	
ATTN: DAVID R SHOEMA	KER, GEN	• SUPT•	(20-21)	(22-23) (24-25	(26-27) (2	18-29) (30-31) N	OTE: Read instruc			
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	G (4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION 6V	V-FA NO	1 3 01	TVPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-6	ANALYSIS 3) (64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	****	*****	(MG/L)	*****	less than 0.03	less than 0.03	(19) 0	1/WK	COMPOS
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	****	****	*****	0.15 DATLY AV	0.30 DAILY MX	MG/L	DNCE/ MONT	COMPOS H
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	****	****	0.23	(·19) ₀	1/WK	сом
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	***	****	*****	****	0.6 DAILY MK	MG/L	VEEKL	YCOMPOS
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	(MG/L)	*****	less than 0.1	less than 0.1	(:19) 0	1/WK	COMPOS
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	0.3 DAILY AV	0.6 DAILY MX	MG/L	DNCE/ MONT	
MANGANESE, TOTAL (AS. MN)	SAMPLE MEASUREMENT	*****	*****	(MG/L)	*****	1.74	2.1	(:19) ₀	1/WK	COMPOS
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	*****	REPORT DAILY AV	REPORT DAILY MX	MG/L	DNCE/ MONT	COMPOS
MOLYBDENUM, TOTAL: (AS: MO):	SAMPLE MEASUREMENT	***	*****	(MG/I)	****	1.94	2.08	(· 19) ₀	1/WK	COMPOS
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	***	****	REPORT DAILY AV	REPORT DAILY MX	MG/L	DNCE	COMPOS H
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	(MG/I)	*****	****	0.02	(1 9) ₀	1/WK	COM
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	****	****	*****	***	0.2 DAILY MX	MG/L	DNCE/ MONT	COMPOS H
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.408	0.429	(-03)	****	****	*****	(MGD) 0	DAILY	ESTIM
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REGUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	***	***	****	***	DAILY	ESTIMA
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY C M FAMILIAR WITH THE	INFORMATION SUBMITTE	D HEREIN: AND	BASED	, .		TELEPHONE	D	ATE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAL THE PO	Y INQUIRY OF THOSE ING THE INFORMATION UE ACCURATE AND CO NT PENALTIES FOR S OSSIBILITY OF FINE AN	I. I BELIEVE THE SU MPLETE. I AM AWARE UBMITTING FALSE INF D IMPRISONMENT SEE	BMITTED INFORT THAT THERE A FORMATION, INC 18 U.S.C \$ 100	RMATION IRE SIG- CLUDING O1 AND SIGNATI	aurel J. J. J. J. J. J. J. J. J. J.	EXECUTIVE 505	586-7601	91	09 09
TYPED OR PRINTED		C § 1319. (Penalties und maximum imprisonment of			310,000	ER OR AUTHORIZE	ADE	NUMBER	+ +	MO DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R.	ejerence all attachment.	here)						· · · · · · · · ·	

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)	115cma Dri	.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)			RT (DMR)	1760 55	SEN/ED		٠
MADDRESS P. O. BOX 469	JUESTA DI			22306		02 A	AJOR REGA	DEPOVED	507	
OUESTA		NM 87556 X	-	IT NUMBER			- ET VA IAOO	3 No. 2040-00	6-80-91	
		<u> </u>					- FINAIAPP EEPAGE SEP	1 2 99	DANNER	PM TP
PACILITY				МОИІТ	ORING PERIC	OD G	LL AGE DEL	LING III.	r Go ii Din e	9 14 T
OCATION			FROM YEAR	MO DA	1 TO YEAR	MO PAY *	** NO DISE	HARGEAL	***	
ATTN: DAVID R SHOEM	KER, GEN.	SUPT.	- `	(22-23) (24-2.	5) (26-27) (2	28-29) (30-31) N	VOIE Read instru	Wahs Jana	completing t	his form.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	IG ((4 Card Only) (38-45)	QUALITY OR CON- (46-53)	CENTRATION (54-61)		FREQUEN	TVDE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX ANALYSI 2-63) (64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE Measurement	****	*****	(MG/L)	****	less than 0.0002	less than 0.0002	(19)) 1/WK	COMPOS
71900 1 0 0	PERMIT	***	****	***	****	0.001	0.002		DACE/	COMPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY MX	MG/L	MONT	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT							-		
	SAMPLE MEASUREMENT									
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	SAMPLE MEASUREMENT									
•	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
* ;	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE		IFY UNDER PENALTY O					,	TELEPHONE	D	ATE
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU	Y INQUIRY OF THOSE IING THE INFORMATIO: IE, ACCURATE AND CO NT PENALTIES FOR S	INDIVIDUALS IMMEDIAT N. I BELIEVE THE SU IMPLETE. I AM AWARE	ELY RESPONSIBUBMITTED INFOI THAT THERE A	BLE FOR RMATION ARE SIG	and s	Menata	<u> </u>		
	THE PO	OSSIBILITY OF FINE AN C § 1319. (Penalties und	D IMPRISONMENT SEE fer these statutes may in	18 U.S.C § 10 nclude fines up to	OI AND BIGNATI	URE OF PRINCIPAL			01 91	09 09
TYPED OR PRINTED		maximum imprisonment of		years./	OFFIC	CER OR AUTHORIZ	ED AGENT ARE	A NUMBER	YEAR	MO DAY
COMMENT AND EXPLANATION OF ANY	•							•		
SEE PERMIT PART III	FOR FURTE	IER REQUIRE	EMENTS.							

THERE SHALL BE NO DISCHARGE OF PLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

FACILITY Name/Location if different)	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAI				3.70D ~					
ADDRESS P. O. BOX 469	OUDSIR DI	·		22306		UM A		Approved.		
OUESTA		NM 87556		TNUMBER		ARGE NUMBER	FLMANApp	No 2940-0004	30-91.	•
			- 0	MONITO	RING PERIO	5		OR 001 6		
PACILITY			YEAR	MO DAY	YEAR	MO DAY	SEP	2 99 		
ADDIA DAUTE D CHOES	AZED CEN	- CHDM.	_ \PROM 91	08 01	J L		** NO DISC IOTE: Read instruc		: ☆☆☆ -	, s form
ATTN: DAVID R SHOEM	ARER, GEN		(20-21)	(22-23) (24-25) G (4		28-29) (30-31) N		9 (**)		
PARAMETER		(46-53)	(54-61)	,	(38-45)	(46-53)	(54-61) 0 1	NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-63)	1	(69-70)
LATCT , MUNEDBYLOM = (OM CA)	SAMPLE MEASUREMENT	6.61	7.01	((26)	****	****	****	(1b/dy) 0	1/WK	COMPOS
01062 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	25 DAILY AV	50 DAILY MK	LBS/DY	*****	****	*****	****	WEEKLY	COMPOS
	SAMPLE MEASUREMENT			·						
·	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT					··		·		
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	SAMPLE MEASUREMENT		·			·				
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE INFORMATION SUBMITTI	ED HEREIN; AND	BASED /	¬	/	TELEPHONE	DA	TE .
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAT	IING THE INFORMATIO IE. ACCURATE' AND CO NT PENALTIES FOR S	INDIVIDUALS IMMEDIATE N. I BELIEVE THE SU EMPLETE. I AM AWARE SUBMITTING FALSE INF	JBMITTED INFORM THAT THERE AR FORMATION, INCL	AATION E SIG. UDING	mid 5	honor	1 500 7001	03 06	
TYPED OR PRINTED	33 U Se and or	C § 1319. (Penalties un maximum imprisonment o	ND IMPRISONMENT SEE 18 U.S.C. § 1001 AND of these statutes may include fines up to \$10,000 of between 6 months and 5 years.)		\$10,000 SIGNAT	URE OF PRINCIPAL	ADE	A NUMBER	 	9 09 10 DAY
COMMENT AND EXPLANATION OF AN										•
MOLYBDENUM - AVG	5 MONTHS I	PRECEEDING	, ,			•				

MOLYBDENUM - MAX

CURRENT MONTH ONLY.

Facility Name/Location if different)		•	DISCHA	ARGE MOI	HARGE ELIMINATION NITORING REPO	RT (DMR)		-1-				
MAME MOLYCORP INC. (SOESTA DIV	<u> </u>		(2-16)		(17-19) M 02 A		n-Approved		i i		٠.
QUESTA		NM 87556: \		22306			QMI -:FINA (App	3-No. 2040-				
OUESIR		NE 0/330 - \	A C	II NOMBEN	L J J J J J J J J J J J J J J J J J J J		EEPAGE TAI			8 1	3 4N	
PACILITY			8	MONI.	TORING PERIO	OD 3	EEPAPE TAI	ÜG - 9 19	391	ים מעויט	II:	
LOCATION			FROM YEAR	MO DA	1 TO YEAR 91	MO DAY #	** No DISC			1 ***		
ATTN: DAVID R SHOEM	AKER, GEN.	SUPT		(22-23) (24-			NOTE: Read instru	ctions before	e com	4 4	is forr	m.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	IG	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	CENTRATION (54.61)	ONA-E	/-N	FREOMENE	Y SAI	MPLE
(32-37)	\sim						1		EX	OF ANALYSIS	T,	YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		(62-63)	(64-68)	(69	9-70)
OXYGEN DEMAND, CHEM.	SAMPLE MEASUREMENT	****	***	MG/L)	****	3.4	6.0	(19)	'n	1/WK	CO	MPOS
(HIGH LEVEL) (COD)			283308		000000	-			0			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	******	****	******	DAILY AV	90 DAILY MX	NC /Y		DNCE/		1POS
PH:		****	****			****		(12)		HONTH		
	SAMPLE MEASUREMENT			(SU)	7.3	}	7.5	\ . 121	0	1/WK	GR/	AE
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EFFLUENT GROSS VALUE	REQUIREMENT			***	MINIMUM		MAXIMUM	SU		MONTE	l .	
SOLIDS, TOTAL	SAMPLE	***	****	(MG/L	****	1.12	1.6	(-19)	. 0	1/WK	CO	MPOS
SUSPENDED	MEASUREMENT									_		
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EFFLUENT GROSS VALUE CYANIDE, TOTAL		****	ر برای دیگ ریک ریک ریک ریک	***	****	DAILY AV	1			MONTH		
(AS CN)	SAMPLE MEASUREMENT	2000	******** (20	' i-da	*******	less than	less than	(:19)	0	1/WK	CO	MPOS
00720 1 0 0	PERMIT	222222	Pernil/CD AO Roman	. करीक -	*****	0.025	0.001			ONCE/		IPOS
EFFLUENT GROSS VALUE	DESCRIPTION OF THE PARTY	2	MO or.	***		DAILY AV		MG/L		MONTE		
FLUORIDE, TOTAL	SAMPLE	***********	- Nio: Saustrol	(MG/L)	****	****		(19)				
(AS F)	MEASUREMENT	1	NCB -4	ence			2.4]	0	1/WK	CO	MPOS
00951: 1 0 0	PERMIT REQUIREMENT	200000	2 Collegeboud	***	本本中中本本	****	3.0			DNCE/	pos	POS
EFFLUENT GROSS VALUE		44.65	T CHAN !	****			DAILY MX			MONTE	<u> </u>	
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	*****	Dâte ≠ ted Clerk's Inits	(MG/L)	****	less than	less than	(-19)	0	1/WK	COL	мт
01002 1 0 0			Clerks.	****	*****	0.5	1.0				× ********	1005
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***	******	DAILY AV		MC/T		DNCE/ MONTE		1203
CADMIUM, TOTAL	SAMPLE	***	***	(MG/L)	****	****		(19)				
(AS CD)	MEASUREMENT	,		Leng L			0.02	(,	0	1/WK	CO	MPOS
01027 1 0 0	PERMIT	*****	****	***	***	****	0.05			ONCE/	cor	IPOS
EFFLUENT GROSS VALUE				****			DATLY MX			MONTE		
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	JFY UNDER PENALTY OF METAMILIAR WITH THE	INFORMATION SUBMITTI	ED HEREIN: AN	ND BASED	_	/	TELEPHONE		D /	TE	
David R. Shoemaker	OBTAIN	T INQUIRY OF THOSE HING THE INFORMATION JE. ACCURATE AND CO	N. I BELIEVE THE SL	JBMITTED INFO	ORMATION	and 11	has K					
Mine Manager	NIFICA	NT PENALTIES FOR S DSSIBILITY OF FINE AN	UBMITTING FALSE INF	FORMATION, II	NCLUDING		L EXECUTIVE 50	5 586-76	Λ1	01 0	.	0.7
TYPED OR PRINTED	33 U S	C § 1319. (Penalties und maximum imprisonment o)	ier these statutes may in	nclude fines up	to \$10,000 SIGNATI	URE OF PRINCIPA CER OR AUTHORIZ	ED AGENT ARE	A NUMBI		 	8 MO	07 DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R.	eference all attachment	s here)				LD AGENT COD	<u> </u>		L		

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

Facility Name/Location if different	NII Demainsi	,	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2.16) MR TOR									
ADDRESS P. O. BOX 469	JUESTA DI	<u> </u>		(2·16) 22306		(17-19) M 02 A :	AJOR Form	n-Approved	0004	-	,	
OUESTA		NN 87556	- \	T NUMBER			OME	No. 2040	0004	201		
OUISIR	_	Na 01330		110							7 ATT -	
FACILITY			- Ø ₂	MONI.	TORING PERIC	D D	EEPAGE TAI	AUG - 9			4.T	
LOCATION			FROM YEAR	MO D/		MO DAY	** NO DISC					
ATTN: DAVID R SHOEM	AKER. GEN.	SUPT	- []-[(22-23) (24-			NOTE: Read instruc				is form	n.
			NTITY OR LOADIN	G	(4 Card Only) (38-45)	QUALITY OR CON-	CENTRATION	6VV-E		FREQUENCY	T	APLE
PARAMETER (32-37)	$\mid \times \mid$		(54-61)			<u> </u>			EX	ANALYSIS		PE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		(62-63)	(64-68)	(69	0-70)
COPPER, TOTAL	SAMPLE MEASUREMENT	****	****	(MG/L)	***		less than	(-19)	_	1.312	201	ADOC
(AS CU)	#EAGGRENT					0.03	0.03		*********	1/WK		MPOS
01042: 1 0 0	PERMIT REQUIREMENT	****	公安安安 安 。	****	****	0.15	0.30			DNCE/		POS
EFFLUENT GROSS VALUE		****	****	****	****	DAILY AV				MONTE	1	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	مان مان مان مان مان		(MG/L)	ماد بواد براه براه ماد براه	40.00.00.00.00	0.15	(19)	0	1/WK	СОМ	D
01045 1 0 0:		040000	****	****	****	****	0.15		************	***************************************		***********
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***		******	DAILY MX	MG/L		HEEKLY	LUa	rus
LEAD, TOTAL	SAMPLE	****	****		****	less than	less than	(19)	,			
(AS PB)	MEASUREMENT			עיין קטוייט		0.1	0.1	(+)	o	1/WK	СОМ	POS
01051 1 0 0	PERMIT	*****	*****	***	****	0.3	0.6			DNCE/	00 000000000000000000000000000000000000	POS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		MONTE		
MANGANESE, TOTAL	SAMPLE	****	***	(MG/L)	****	3 55		(:19)	0			
(AS MN)	MEASUREMENT					1.55	1.67		0	1/WK	COM	?OS
01055 1 0 0	PERMIT REQUIREMENT	****	****	***	***	REPORT	REPORT			DNCE/	COM	IPOS
EFFLUENT GROSS VALUE	, acadiment			***		DAILY AV	DAILY MX			MONTE		
MOLYBDENUM, TOTAL	SAMPLE MEASUREMENT	****	***	(MG/L)	***	1.98	2.08	(-19)	0	1/WK	CON	MPOS
(AS MO)				la administra din								
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	****	****	REPORT	REPORT	wa / T -		DNCE/		IPOS
ZINC, TOTAL		****	****		*****	DAILY AV		(19)		MONTE		
(AS ZN)	SAMPLE MEASUREMENT		* 3-3-3-3-4	(MG/L)	• • • • · · · · · · · · · · · · · ·		0.01	(, + 5)	0	1/WK	COME	2
01092 1 0 0	PERMIT	****	*****	***	****	*****	0.2			DNCE/	rom	Dos
EFFLUENT GROSS VALUE	DESCRIPTION OF THE PARTY			****			DAILY MX	MG/I		BONTE		
FLOW, IN CONDUIT OR	SAMPLE			(103)	****	* ****			^	DAILY	EST	TM
THRU TREATMENT PLANT	l	0.403	0.411					י עטויי	U	DATPI	E91	TIM
50050 1: 0 0	PERMIT	REPORT	REPORT		****	****	****	***		DAILY	EST	IMA
EFFLUENT GROSS VALUE	REQUIREMENT	DAILY AV	DAILY MX	MGD.				***				
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERTI	IFY UNDER PENALTY OF FAMILIAR WITH THE	INFORMATION SUBMITTE	ED HEREIN: AN	NO BASED	_		TELEPHONE		D A	TE	
David R. Shoemaker	OBTAIN	INQUIRY OF THOSE	I, I BELIEVE THE SU	BMITTED INFO	ORMATION .	/ 1/	1/10 /			. 1		
Mine Manager	NIFICAN	E. ACCURATE AND CO	UBMITTING FALSE INF	ORMATION, II	NCLUDING	my (~	maria			. .		
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TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY			rurs./	OFFIC	CER OR AUTHORIZ	ED AGENT COD		ER	YEAR P	МО	DAY	
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SEE PERMIT PART III FOR FURTHER REQUIREMENTS.
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME <u>MOLYCORP INC</u>	DISCHA	RGE MOI	HARGE ELIMINATION NITORING REPO	RT (DMR)	1.70D			Samuel			
Appress P. O. BOX 469	VOESTK DIV	·		(2·16) 22306		(17-19) M 02 A	A JOR DEM	Approved	10004		
QUESTA		M 87556		TNUMBER		IARGE NUMBER		roval expire	s 6 30	-91.	
			\Q	MONI	TORING PERIC	S	EEPAGE TAI	Lingai	MPQU	n puen.	T
PACILITY			FROM YEAR	MO DA	Y YEAR	MO DAY	9 4				
ATTN: DAVID R SHOEMA	KPR GRN.	SIIDT	- 71	(22-23) (24	25) TO 91 (26-27) (2	07 31 * 28-29) (30-31) N	☆☆ NO DISC IOTE: Read instruc	HARGE		*** leting this	form.
PARAMETER			NTITY OR LOADIN			QUALITY OR CON((46-53)		7-273		REQUENCY	SAMPLE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1	OF NALYSIS (64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	less than 0.0002	less than 0.0002	(19)		<u> </u>	COMPOS
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT	本本华华本	*****	****	*****	0.001 DAILY AV	0.002	MGZT.	þ		COMPOS
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE I	ED HEREIN: AN	ID BASED			TELEPHONE		DA	TE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAN	ING THE INFORMATION E. ACCURATE AND CO IT PENALTIES FOR S	INDIVIDUALS IMMEDIATI N. I BELIEVE THE SUMPLETE. I AM AWARE SUBMITTING FALSE INF D IMPRISONMENT SEE	BMITTED INFO THAT THERE ORMATION, IN	ORMATION ARE SIGNICLUDING		brende	-]-0: -:	.01		0 0 0
TYPED OR PRINTED	33US0	5 1319. (Penalties und	ler these statutes may in between 6 months and 5 y	clude fines up	to \$10,000 SIGNATI	URE OF PRINCIPAL CER OR AUTHORIZ	ED AGENT ARE	5 586-76 NUMBI		91 08	8 07 0 DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Re	eference all attachment	s here)				COD COD	E	L_		<u></u>
SEE DERMIT DART TIT	PAR PURTH	IRR REOUTER	PHENTS:								

SEE PERMIT PART III FOR FURTHER REQUIREMENTS.:
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME ADDRESS (Include Facility Name Location if different) NAME MOLYCORP INC.	QUESTA DIV	V.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAJOR FO					orm Approved			
ADDRESS P. O. BOX 469				22306	S	UM A	- La	MB*No:-2040-	0004	_	
QUESTA		NM 87556		IT NUMBER		ARGE NUMBER	P - FINAJIA	proval expire			
			_	MONI.	TORING PERIO	OD :	SUM TOTAL	FOR 001	-6-	905,	1
PACILITY			YEAR		YEAR	MO DAY		L'Aug	0 16	L J.	1
ATTN: DAVID R SHOEM	AKER CEN	SIDT.	ROM 91		01 TO 91		⇔⇔⇔ NO DIS NOTE: Read insti				torm.
	Anga, out	(3 Card Only) QU	ANTITY OR LOADIN	(22-23) (24- IG	(4 Card Only)	QUALITY OR COM	NCENTRATION	0	(NO.3	FREQUENCY	SAMPLE
PARAMETER (32-37)	\times	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	(54-6 <u>1)</u> MAXIMUM	The state of the s	EX	OF	TYPE
MOT VODENIIM MOMAT									(62-63)	(64-68)	(69-70)
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	6.48	7.08	(*25)	****	***	* ****	1b/dy	0	1/WK	COMPOS
01062 1 0 0	PERMIT	25	50		****	*****	****	***		WEEKLY	COMPOS
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE	OF LAW THAT I HAVE INFORMATION SUBMITT INDIVIDUALS IMMEDIAT	ED HEREIN: AF	ND BASED	7 -	1	TELEPHONE		D A	TE
David R. Shoemaker	OBTAIN IS TRU	IING THE INFORMATIC JE, ACCURATE AND G	ON, I BELIEVE THE SU COMPLETE, I AM AWARE	JBMITTED INFO	ORMATION ARE SIG.	and 1	Maryte	1			
Mine Manager	THE PO	OSSIBILITY OF FINE AF	SUBMITTING FALSE IN ND IMPRISONMENT SEE	18 U.S.C 9 1	1001 AND SIGNAT	URE OF PRINCIPA	L EXECUTIVE 5	05 586-76	01	91 08	в 07
TYPED OR PRINTED	and or	maximum imprisonment o	der these statutes may u of between 6 months and 5	years.)	10 \$10,000	CER OR AUTHORI	ZED AGENT A	REA NUMBI			IO DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R.	eference all attachmen	ts here)								
		PRECEEDING	• '								

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

Facility Name/Location if different)			NATIONAL POLL DISC	HARGE MO	NITORING REPORT (L	(MR)					Name of Street	i
NAME MOLYCORP INC. Q	UESTA_DIV	<u>•</u>	_	(2-16)		(17-19) F	- FINAL ROCESS WAT	REC	· FI	150	i	ı
ADDRESS P. O. BOX 469			NM002			01 A P	ROCESS WAT	ERIL			1 1	i
QUESTA	<u>_ N</u>	M 87556 \	PERM	IIT NUMBER	DISCH	ARGE NUMBER	9	· I			. !	
				MON	NITORING PERIO)	no flow för	ENTIRE	MOMI	1999		
FACILITY			YEAR		DAY YEAR	MO DAY				}		
LOCATION			_ FROM 91	06	01 10 91		AJOR			ca A	4	į
ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24			NOTE: Read instru	ctions beto	<i>့်</i> မွှင့်ဝကု	pleting th	is form	<u>ភ្ន</u> ា.
PARAMETER .		(3 Card Only) QU (46-53)	JANTITY OR LOADING (54-61)	ì	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	(54-61)	The second of the second	NO. EX	FREQUENC OF	l "î	MPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	мімімим	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS (64-68)		69-70)
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****		*****							
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EFFLUENT GROSS VALUE	REQUIREMENT (***	MINIMUM	And he had been a few and a	MAXIMUM	SU	35 35 35 S			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****	:	*****			,				
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CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	_ <u>****</u> ********************************	ermit/GQ *** O & AO mati	•	****							
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EFFLUENT GROSS VALUE	REQUIREMENT		io. Sum. Log	***		DAILY AV	The state of the state of the state of	A 72		WEEK	A	5 1000 CV . NORTH 100
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT		orrespondence		*****	*****				**************************************	0 3 0 0 000	
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	PERMIT	******	****	***	*****	- 0.5×	1.0			EEKL'	rco:	MPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DAILY AV	DAILY M	MG/L				
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EFFLUENT GROSS VALUE	REQUIREMENT			****		e factorial and	DAILY MI	MG/L				
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER CERTI	FY UNDER PENALTY O	OF LAW THAT I HAVE F	ERSONALLY	EXAMINED AND BASED	•		TELEPHON	Ξ	D	ATE	
David R. Shoemaker	ON MY	INQUIRY OF THOSE II	NDIVIDUALS IMMEDIATION I BELIEVE THE SUI	ELY RESPON	ISIBLE FOR)	1 7					
Mine Manager	IS TRUI	E, ACCURATE AND CO	NPORMATION SUBMIT NOTIFICATION OF THE SUI MPLETE. I AM AWARE UBMITTING FALSE INF ID IMPRISONMENT. SEE	THAT THER	E ARE SIG-	med M	roena	<u>مر</u> ا				İ
	THE PO	SSIBILITY OF FINE AN	ID IMPRISONMENT. SEE	18 U.S.C. §	1001 AND SIGNA	TURE OF PRINCIPAL		586-7	601	91 (07	n_
TYPED OR PRINTED	and or m	aximum imprisonment of be	etween 6 months and 5 years		OFF	ICER OR AUTHORIZE	D AGENT AR	DE NUM	3ER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Referen	nce all attachments here,)		•			•				

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q	,	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)				RECEIVE					
ADDRESS P. O. BOX 469			NMO02	2306	-0		ROCKES HAT	er i			
QUESTA		M 87556		IIT NUMBER	DISCH	HARGE NUMBER		6 1991			
_ 			\sim	MON	ITORING PERIO	D	NO FLOW FOR I	ENTIRE MON	TH .		
FACILITY			YEAR	MO [DAY YEAR	MO DAY	SVA SVA	V-EA			
LOCATION		<u> </u>	FROM 91	06	01 10 91		n S O N				
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24		(20 22) (20 22)	IOTE: Read instruc	tions before co	mpleting	this for	rm.
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	ì	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)	NO E	χ OF	· "	AMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (62-	ANALY 63) (64-6		(69-70)
COPPER, TOTAL (AS.CU)	SAMPLE MEASUREMENT	****	****		****						
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****	*** ****	*****	0.15 DAILY AV	0.30 DAILY MX	MG/L		A	HPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****		****	*****		-			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	****	DAILY MX	MG/L	WEEK	LYCO	MPOS
LEAD, TOTAL (AS PB):	SAMPLE MEASUREMENT	****	****		*****						
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	**************************************	\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	***	*****	0.3 DAILY AV	0.6 DAILY MX	MG/L	WEEK	LYCO	MPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	****	****		****	·					
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*******	*** ****	*****	1.0 DAILY AV	1.5 DATLY MX	MG/L	VEEK	LACO	MPOS
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	****	*****		****	•					
01062 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	the windship is no notes while	*** ****	*****		2.0 DAILY MX	13.820			
ZINC, TOTAL (AS ZN)	SAMPLE . MEASUREMENT	****	****		****	****					
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	\$ 2 *** **** \$ 57 * 50, 5	****	*** ****	****	*****	0.2 DAILY MX		WEEK	LYCO	MPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT				****		****				
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NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERT	IFY UNDER PENALTY O	F LAW THAT I HAVE F	ERSONALLY ED HEREIN: A	EXAMINED AND BASED		<u> </u>	TELEPHONE		DATE	-,
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Manager	NIFICA THE PO	NT PENALTIES FOR SU DSSIBILITY OF FINE AN	JBMITTING FALSE INF D IMPRISONMENT. SEE	ORMATION, 18 U.S.C. §	INCLUDING SIGNA	ATURE OF PRINCIPAL	EXECUTIVE 505	5 586-7601	91	07	11
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties un aximum imprisonment of be	iaer inese staiutes may ir	iciuae jines uj	D 10 310.000 I	FICER OR AUTHORIZE		A NUMBER	YEAR	МО	DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here)	`					-, • 			+

Facility Name/Location if different) NAMEMOLYCORP_INC - Q		DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)		1 4 m 1	F - FINARECEIVED						
ADDRESS P. O. BOX 469	22214_711	<u></u>	NMO02	·	00		ROCESS WAT			į	
QUESTA	<u> </u>	M 87556	PERM	IIT NUMBER	DISCH	IARGE NUMBER		1 6 1001		1	
	 -			MONI	TORING PERIO	<u> </u>	NO FOOW FOR-	ENTIRE	MONT	н	
FACILITY			FROM YEAR	MO DA		MO DAY	L				
ATTN: DAVID R SHOEMA	KER CEN	SUDT.	_ (20-21)	(22-23) (24-2		(28-29) (30-31)	AJDR 61 NOTE: Read instruc	N-EA	e comi	eleting this	form.
 		(3 Card Only) QU	IANTITY OR LOADING	<u> </u>	(4 Card Only)	QUALITY OR CON	CENTRATION		NO.	FREQUENCY	SAMPLE
PARAMETER (32-37)	\sim	(46-53)	(54-61) MAXIMUM	UNITS	(38-45)	(46-53)	(54-61)	LAUTO	EX	OF ANALYSIS	TYPE
ADDOUBLE MOMEN		AVERAGE		UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
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NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER I CERTI	IFY UNDER PENALTY O	F LAW THAT I HAVE P	PERSONALLY E	XAMINED ND BASED			TELEPHONE		D A	TE
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU NIFICAI	INQUIRY OF THOSE II IING THE INFORMATIO E, ACCURATE AND CO NT PENALTIES FOR SI	F LAW THAT I HAVE P NFORMATION SUBMITT NDIVIDUALS IMMEDIATI N. I BELIEVE THE SUB MPLETE. I AM AWARE UBMITTING FALSE INFI	ELY RESPONS BMITTED INFO THAT THERE ORMATION, IN	IBLE FOR PRINTING ARE SIG-	anil a	Shorale	- - -			
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties ui	ID IMPRISONMENT. SEE Inder these statutes may in the etween 6 months and 5 years	clude fines up	to tio ooo SIGNA	TURE OF PRINCIPA	ED AGENT ARE	5 586-7		91 07 YEAR	11
COMMENT AND EXPLANATION OF ANY V							COD	E NOME			
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAJOR FORD Approved							•		
ADDRESS P. O. BOX 469			NMOO	22306		02 A	HEW!	Approved	04	
OUESTA	,	M 87556		IT NUMBER			- FINA IAPP	roval expires	6 30-91.	
				MONI	TODING BEDIC		EEPAGE TAI		3 2	n T
FACILITY	· · · · · · · · · · · · · · · · · · ·		7 7500		TORING PERIC			1 0 13311:		
LOCATION			FROM YEAR		AY TO YEAR 91	MO PAY 06 30 ≉	** NO DISC	HARGE I	T ***	8 4
ATTN: DAVID R SHOEM	AKER, GEN.	SUPT.	(20-21)	(22-23) (24	-25) (26-27) (2	28-29) (30-31) N	IOTE: Read instru			
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOADIN (54-61)	1G	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)	N	O. FREQUEN	,
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	LINITS	ANALYSI	s TYPE (69-70)
OXYGEN DEMAND, CHEM.	SAMPLE MEASUREMENT	*****	*****	(MG/L)	****	I.	0.00	(19)		
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SOLIDS, TOTAL	SAMPLE	****	****	(MG/L)	****	`~` · ·	INALIUL	(-19)	71771	33
SUSPENDED	MEASUREMENT			, viid, D		1.00	1.00	0	1/WK	COMPOS
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EFFLUENT GROSS VALUE	1			***		DAILY AV			LHON	H
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	****	*****	(MG/L)	****	****	2.2	(19)	1/WK	COMPOS
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EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY HX	MG/L	MONT	<u>'H</u>
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	****	*****	(MG/L)	****	less than	less than 0.01	(-19)	1/WK	COMP
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(AS CD)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	*****	less than	(19)	1/WK	COMPOS
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EFFLUENT GROSS VALUE		FY UNDER PENALTY OF	E LANG THAT I HAVE	****	5333355		DAILY MX		MONT	
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	M FAMILIAR WITH THE IS INQUIRY OF THOSE I	NFORMATION SUBMITT	ED HEREIN: A	ND BASED	,	,	TELEPHONE	<u>_</u>	ATE
David R. Shoemaker	OBTAIN	INCOURT OF THOSE I ING THE INFORMATION E. ACCURATE AND COM	. I BELIEVE THE SI	UBMITTED INF	ORMATION	100	4			
Mine Manager	NIFICAN	IT PENALTIES FOR SU DESIBILITY OF FINE AND	JBMITTING FALSE IN	FORMATION.	INCLUDING COM	W V Y V	En En	E E 0 6 700	, 0,	07 133
TYPED OR PRINTED	33 U S C	\$ 1319. (Penalties under maximum imprisonment of	er these statutes may i	nclude fines up	10 \$10,000 SIGNAL	URE OF PRINCIPAL CER OR AUTHORIZE	ED AGENT ARE			07 11 MO DAY
COMMENT AND EXPLANATION OF ANY					OFFIC	CER OR AUTHORIZE	COD		TEAR	MO DAY
SEE PERMIT PART TIT	FOR PURTS	ER REQUIRE	MENTS.							

Facility Name/Location if different	MECUA DIU	.	DISCHA	RGE MOI	HARGE ELIMINATION NITORING REPO	RT (DMR)	AJOR REC	FANO(OVed)		*,	or the second
ADDRESS P. O. BOX 469	OBSIR DIV	- Av.	NMO02	(2-16) 2 2 3 0 6		(17-19) 11 32 A	AND THE RESERVE AND THE PERSON NAMED IN COLUMN 1	COSE TOWN	704		
QUESTA		M 87556	- · · · · · · · · · · · · · · · · · · ·	TNUMBER		ARGE NUMBER F	w n .	No. 2040-0			
		-2" Cité					EEPAGE TAI	6.1891 m	don don	EN T	
FACILITY			Q <u> </u>	MONI	TORING PERIO	D	CEPAGE SPAIN	P. S. M. O. J. Ch.	900000	E N I	
LOCATION			FROM YEAR	Mo □	1 TO YEAR	MO DAY 06 30 ≉	AR NO DEC	4 1 1 1 1 1			
ATTN: DAVID R SHOEMA	KER. GEN.	SIPT.	71	(22-23) (24-		18-29) (30-31) N	NO DESC	tions before	completing	this fo	rm.
		(3 Card Only) QUAN				QUALITY OR CON					
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)		O. FREQUE	5	AMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS (6)	2-63) (64-68	1	(69-70)
COPPER, TOTAL	SAMPLE	*****	*****	(MG/L)	****	LESS THAN	LESS THAN	(19)		- `	
(AS CU)				MACA TA		0.03	0.03		0 1/W	c co	MPOS
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IRON, TOTAL	SAMPLE	****	****	(MG/L)	****	****		(19)			
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EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/I.	-	""	
LEAD, TOTAL	SAMPLE	****	***	(MG/L)	****	less than	less than	(19)			10
(A5 PB) «	MEASUREMENT			4.0, 4		less than	0.1	0) 1/WK	¢o1	MPOS
01051 1 0 0	PERMIT	*****	****	***	****	0.3	0.5		DNCE	/ 50	MPOS
EFFLUENT GROSS VALUE	REQUIREMENT			****		DATLY AV		MG/L	MON		
MANGANESE, TOTAL	SAMPLE	****	****	(MG/L)	****			(19)			
(AS MN)	MEASUREMENT			440/10	·	1.64	1.70	` =) 1/WH	: ¢ot	MPOS
01055 1 0 0	PERMIT	****	*****	***	****	REPORT	REPORT	_	DNCE	/ co	MPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DATLY MX	MG/L	MON		
MOLYBDENUM, TOTAL	SAMPLE	****	***	(MG/L)	****			(19)			
(AS-MO)	MEASUREMENT			110/ 11		2.01	2.14	`) 1/WF	CC	OMPOS
01062 1 0 0	PERMIT	*****	****	***	***	REPORT	REPORT		DNCE	/ bo	MPOS
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L	MON		
ZINC, TOTAL	SAMPLE	****	****	(MG/L)	****	****	0.02	(19) o	1/WK		OMPOS
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FLOW. IN CONDUIT OR	SAMPLE			(₹03)	****	****	****	(MGD)	0 Dail	. F	STIM
THRU TREATMENT PLANT	MEASUREMENT	≯∓\$≯© 0.406	~~~					l		-	
50050 1 0 0	PERMIT	REPORT	REPORT		*****	*****	access:	オネネキ	DAIL	y es	TIMA
EFFLUENT GROSS VALUE	REGUIREMENT	DAILY AV	DAILY MX				l	***			
NAME/TITLE PRINCIPAL EXECUTIVE	AND AN	FY UNDER PENALTY OF M FAMILIAR WITH THE IN	FORMATION SUBMITTE	D HEREIN: AN	ID BASED	•		TELEPHONE		DATE	<u>:</u>
David R. Shommaker	OBTAIN	INQUIRY OF THOSE IN	I BELIEVE THE SU	BMITTED INFO	DRMATION 6		d. 11-				
Mine Manager	NIFICAN	E. ACCURATE AND COMI	BMITTING FALSE INF	ORMATION. IN	NCLUDING CO	ull -	warm	`	.		
	33 U S C	SSIBILITY OF FINE AND 1319. (Penalties under	these statutes may in	clude fines up	to \$10,000 SIGNATU	JRE OF PRINCIPAL		586-760		07	11
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY		naximum imprisonment of b		erufs./	OFFIC	ER OR AUTHORIZ	ED AGENT COD		R YEAR	МО	DAY
COMMENT AND EXPLANATION OF ANY	•										

PERMITTEE NAME/ADDRESS (Include Facility Name/Location of different) NAME MOLYCORP INC.	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) MAJ						•				
ADDRESS P. O. BOX 469	SOUSIA DI	y. •	NMOC	22306		02 A		Form Approved OMB No. 2040			
OUESTA		NM 87556	· ~ ——	AIT NUMBER		ARGE NUMBER	F - FINA	PAnneaual expire	es 6-30	-91.	
			A	MONIT	ORING PERIC	OD.	SEEPAGE	FCENE	Pou	NOMEN	T
PACILITY		· 	- YEAR			MO DAY			7		
LOCATION			FROM 91		71 10 91	06 30	※学者 NO D] NOTE: Read in	LSCHARGE	141	***	
ATTN: DAVID R SHOEM	AKER, GEN	6 SUPT 6	(20-21)		<u> </u>	28-29) (30-31)		istructions betor	e comp	leting this	s torm.
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61-)		NO. F	REQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUN	DVV-5A	(62-63)	(64-68)	(69-70)
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	less than 0.0002	less than 0.0002	n (* 19)	0	- 1/WK	COMPOS
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	**** ****	***	0.00 DAILY		D2 MX MG/L	0	NCE/ MONTH	COMPOS
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NAME/TITLE PRINCIPAL EXECUTIVE		IFY UNDER PENALTY C						TELEPHONE		, D A	TE
David R. Shoemaker	OBTAIN IS TRU	INQUIRY OF THOSE IING THE INFORMATION IE ACCURATE AND CO	N, I BELIEVE THE S MPLETE, I AM AWARI	SUBMITTED INFO	ARE SIG.	and or	Showen	Lan			
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TYPED OR PRINTED		C § 1319. (Penalties und maximum imprisonment of			10 \$10,000	CER OR AUTHOR	. +	AREA NUMB			O DAY
COMMENT AND EXPLANATION OF ANY	VIOLATIONS (R	eference all attachment	s here)						<u>-</u>		
SEE PERMIT PART III	FOR FURTE	IER: REQUIRE	EMENTS:								•

PERMITTEE NAME ADDRESS (Include Facility Name Location if different) NAME MOLYCORP INC 6	NATIONAL POLLUTANT DISCHARGE DISCHARGE MONITOR (2-16)			INTORING REPORT (DMR) (17-19) MAJOR Form Approved						
ADDRESS P. O. BOX 469	VVIIVIII VI		NI	M0022306		SUM A	1 0		004	
OUESTA	·	NM 87556 \	_	PERMIT NUMBER		CHARGE NUMBER	1 0	Bpvo: 2040-0 proval expires		
		·	~~ \ \ \ \ \	MONI	TORING PER	IOD	SOM TOTAL	FOR 001	E 002	
LOCATION			FROM Y		YEAR	MO DAY		6 1991		
ATTN: DAVID R SHOEM	AKER CEN	SHOT		91 06	25) 70 91 (26-27)	(28-29) (30-31)	NOTE: Read instr		** completing	
PARAMETER	The state of the s	(3 Card Only) QU (46-53)	· · · · · · · · · · · · · · · · · · ·		(4 Card Only) (38-45)		ONCENTRATION 6V	/-EA ,	O. FREQUE	SAMPLE
(32-37)		AVERAGE	MAXIMU	M UNITS	MINIMUM	AVERAGE	MAXIMUM	LINITS	ANALY	sis
MOLYBDENUM, TOTAL (CM SA)	SAMPLE MEASUREMENT	6.49	7.64	(:26)	****	* ****	** ****		0 1/WF	
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NAME/TITLE PRINCIPAL EXECUTIVE	AND A	TIFY UNDER PENALTY	INFORMATION S	UBMITTED HEREIN: A	ND BASED	:		TELEPHONE	#1	DATE
David R. Shoemaker Mine Manager	OBTAIN IS TRI NIFICA	Y INQUIRY ÒF THOSE NING THE INFORMATIO UE, ACCURATE AND CO INT PENALTIES FOR :	N, I BELIEVE T OMPLETE I AM A SUBMITTING FAL	THE SUBMITTED INF AWARE THAT THERE .SE INFORMATION, I	ORMATION ARE: SIG: NCLUDING	anila	Shamal	حر		
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MOLYBDENUM - AVS	6 MONTHS	PRECEEDING	• ,		•					•

MOLYBDENUM - MAX

CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)					HARGE ELIMINATION SYS NITORING REPORT (D						opcondus of
MAME MOLYCORP INC. Q	UESTA DIV	<u> </u>		(2-16)		/17 10) TO	- FINAL			n	l l
ADDRESS P. Q. BOX 469			NMO02	22306	0	01 A P	- FINAL ROCESS WAT	ERREC	FIVE		Ì
OUESTA		M 87556	PERM	NIT NUMBER	DISCH	ARGE NUMBER	1			1	
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FACILITY			VEAR 1			MO DAY	NO FLOW FOR	אטכ ד	4-2-195	•	
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ATTN: DAVID R SHOEMA	KER GEN.	SUPT	(20-21)	(22-23) (24			NOTE: Read instru	ctions before	completi	ng this f	form.
		(3 Card Only) QU	IANTITY OR LOADING		(4 Card Only)	QUALITY OR CONC		<u>(j)</u>	NO. FRE		()
PARAMETER		(46-53)	(54-61)	_	(38-45)	(46-53)	(54-61)		EX	OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		LYSIS 4-68)	(69-70)
OXYGEN DEMAND, CHEM.		****	****		***				(02 05) (0	, 50,	(02 / 0)
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EFFLUENT GROSS VALUE	· · · · · · · · · · · · · · · · · · ·	J	4 4 4 4 4 4	****	W. Janakak ak		DAILY MX	MG/L	78-30-1 (A)		
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ARSENIC, TOTAL	SAMPLE MEASUREMENT	7/0 3	DMR's		****						
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David R. Shoemaker	IS TRU	E, ACCURATE AND CO	MPLETE. I AM AWARE	THAT THERE	E ARE SIG. Ca	W/V	voena	~	· [
Mine Manager	THE PO	DSSIBILITY OF FINE AN	ID IMPRISONMENT SEI	E 18 U.S.C. §	1001 AND SIGNA	TURE OF PRINCIPAL	EXECUTIVE 505	5 586-76	501 91	. 05	10
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties un aximum imprisonment of be	naer inese siaiuies may ii	nciuae Jines up) (0,3)(0,0)(0,1)	ICER OR AUTHORIZE		EA NUMB	ER YE	R M	O DAY
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here,)		<u>l</u>		, со	<u> </u>			
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)			NATIONAL POLL DISC	LUTANT DISCH HARGE MON	IARGE ELIMINATION SYS NITORING REPORT (D	STEM <i>(NPDES)</i> DMR)	**	The state of the s		0	<u> </u>
Facility Name/Location if different) NAME MOLYCORP INC. Q	<u>OESTA DIV</u>	<u>•</u> – – – –		(2-16)		(17-19) F	- FINAL ROCESS WAT	RECE	ME		1
ADDRESS P. Q. BOX 469		·—	NMO02			01 A P	ROCESS WAT	ER		1	1
QUESTA	_ <u> </u>	<u>M 87556</u>	PERM	IIT NUMBER	DISCH						
			Ka L	MON	ITORING PERIOD	5	NO FLOW FOR	EN JUR E!	MONT	T \	1
ACILITY		_ <u> </u>	YEAR		AY YEAR	MO DAY					1
LOCATION			FROM 91		71 TO 91		AJOR NOTE: Read instruc	MA	IF	4	
ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-	<u> </u>	(28-29) (30-31)	NOTE: Read inรู้struc	tions before	como	leting this	form.
PARAMETER ·		(3 Card Only) QU. (46-53)	ANTITY OR LOADING (54-61)	3	(4 Card Only) (38-45)	· QUALITY OR CONC (46-53)	CENTRATION (54-61)			REQUENCY	SAMPLE
(32-37)	\times	AVERAGE	MAXIMUM	UNITS		AVERAGE	1	UNUTO	EX	OF ANALYSIS	TYPE
				UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
COPPER, TOTAL	SAMPLE	****	***		****		Ì			'	1
(AS CU)	MEASUREMENT]							
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EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L			40.4
IRON, TOTAL	SAMPLE	***	****		****	****	:				
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EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY MX	MG/L			4. * \$1
LEAD, TOTAL	SAMPLE	***	***		****						
(AS PB)	MEASUREMENT					•					
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EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L			
MANGANESE, TOTAL	SAMPLE	****	***		****						
(AS MN)	MEASUREMENT										
01055 1 0 0	PERMIT	****	****	***	***	1.0	1.5			REKT.Y	COMPOS
EFFLUENT GROSS VALUE	PEOPLEMENT			****			DAILY MX	MG/L			
MOLYBDENUM, TOTAL	SAMPLE	****	***		****			1.0/ 13	NOW 39 C.		230 70 23000
(AS MO)	MEASUREMENT										
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	AND AN	I FAMILIAR WITH THE IN	NFORMATION SUBMITT	ED HEREIN; A	ND BASED) .,	1 ,	,	+	i-	
Dawid R. Shoemaker	OBTAIN IS TRUE	ING THE INFORMATION E, ACCURATE AND COM NT PENALTIES FOR SU	N. I BELIEVE THE SUL	BMITTED INFO	ORMATION ARE SIG.	anil ?	Thomas 1	en			,
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COMMENT AND EAR EARAHON OF ANY V	.OLA HONO (Rejerei	,cc an anacimiento nerej									

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.	1.		.UTANT DISCH HARGE MOI (2-16)	HARGE ELIMINA NITORING RE	PORT (D	MR) (17-19) 5	- FINAI	. [-					
ADDRESS P. O. BOX 469			NMOO2	22306		00)1 A P	ROCESS W	ATERRE	١١ مرا	1/ [20]		
QUESTA		in 87556	\	IIT NUMBER			ARGE NUMBER				The second second	3 1	
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ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24					structions befo				
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	i	(4 Card Only (38-45	•	QUALITY OR CONC (46-53)	ENTRATION (54-61)		NO.	FREQUENC		
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIM	UM	AVERAGE	MAXIMUM	UNITS	(62-63)	ANALYSIS	/69-1	
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	****		**	****							-
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	***	¢***	0.001 DAILY AV	0.00 DAILY	NX MG/L		PEKL	rcomi	POS
	SAMPLE MEASUREMENT												
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David R. Shoemaker	ON MY OBTAIN	IFY UNDER PENALTY OF AMILIAR WITH THE II INCURY OF THOSE II INFORMATION OF AND COUNT PENALTIES FOR SECOND FOR AND COUNT PENALTIES FOR SECOND IN THE AND COUNT PENALTIES FOR SECOND IN THE AND COUNT PENALTIES FOR SECOND INTO THE AND COUNTY OF THE AN	NDIVIDUALS IMMEDIATE N. I BELIEVE THE SUBMPLETE I AM AWARE	ELY RESPONS BMITTED INFO	SIBLE FOR ORMATION ARE SIG	9	and	haa	1				-
Mine Manager	NIFICA THE PO	NT PENALTIES FOR SU DSSIBILITY OF FINE AN	JBMITTING FALSE INF	ORMATION, 1	NCLUDING -	SIGNA	TURE OF PRINCIPAL	EVECUTIVE	505 586-7	601	91	06 10	0
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COMMENT AND EXPLANATION OF ANY V									CODE				
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Facility Name/Location if different) NAME MOLYCORP INC.	DISCHA		ITORING REPO	RT (DMR)	AJOR FOR	FCE	VE	2			
ADDRESS P. Q. BOK 469	ZUDDAN DI		NMOOZ			02: A:	Forn	<u>1. Approvec</u> 3 No. 2040		- 1 I	
QUESTA		M 87556		TNUMBER			- FINALApp				
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FACILITY	 				ORING PERIO	<u> </u>		HING. I			1
LOCATION			FROM YEAR	05 0	1 TO YEAR 91	MO DAY 05 31 ≎	** NO DISC	HARERI		1 ***	1
ATTN: DAVID R SHOEMA	KER. GEN.	SUPT		(22-23) (24-2			NOTE: Read instruc				្ស s form.
		(3 Card Only) QUA	NTITY OR LOADIN		(4 Card Only)	QUALITY OR CON				FREQUENCY	SAMPLE
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	· · · · ·	NO.	OF ANALYSIS	TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OXYGEN DEMAND, CHEM.	SAMPLE	****	****	(MG/L)	****			(19)	· ·		1.
(HIGH LEVEL) (COD)	MEASUREMENT			110/15		3.60	5.00	.	0	1/WK	COMPOS
00340 1: 0 0	PERMIT	*****	*****	***	*****	60	90			ONCE/	COMPO:
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		MONTH	1
PH	SAMPLE	****	****	(SU)		***		(12)			
1	MEASUREMENT				7.3		7.3	` ′	0	1/WK	GR.
00400 1 0:00	PERMIT	****	****	***	5.0	****	9.0			ONCE/	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT			***	MINIMUM		MAXIMUM	SU'_		MONTH	
SOLIDS, TOTAL	SAMPLE	****	****	(MG/L)	****			(:19)			
SUSPENDED	MEASUREMENT			110/ 1		2.86	5.8] ` ′	0	1/WK	COMPOS
00530 1 0 0	PERMIT	****	****	***	***	20	30			ONCE/	COMPO:
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		MONTH	
CYANIDE, TOTAL	SAMPLE	***	****	(MG/L)	*****	less than	less than	(-19)	Ş		
(AS CN)	MEASUREMENT			,		0.001	0.001		0	1/WK	COMPOS
00720 1 0 0	PERMIT	****	***	***	****	0.025	0.05			DNCE	COMPO:
EFFLUENT GROSS VALUE	REQUIREMENT			***		DAILY AV	DAILY MX	MG/L		MONTH	
FLUORIDE, TOTAL	SAMPLE	****	***	(MG/L)	****	****	If	(19)			
(AS F)	MEASUREMENT						2.0		0	1/WK	COMPOS
00951 1 0 0	PERMIT REQUIREMENT	****	****	***	***	***	3.0			DNCE/	COMPO:
EFFLUENT GROSS: VALUE	REGUINEMEN.			***			DAILY MX	MG/L		MONTH	
ARSENIC, TOTAL	SAMPLE	****	***	(MG/L)	***	less than	less than	(:19)	;		
(AS AS)	MEASUREMENT					0.01	0.01	į ,	0	1/WK	COMPOS
01002 1 0 0	PERMIT REQUIREMENT	*****	*****	***	****	0.5	1.0			DNCE/	COMPO:
EFFLUENT GROSS VALUE				***		DAILY AV				MONTH	
CADMIUM, TOTAL	SAMPLE MEASUREMENT	****	****	(MG/L)	****	****	less than 0.02	(~19)	0	1/WK	COMPOS
(AS CD)		200000						<u>.</u>			
01027 1 0 0	PERMIT REQUIREMENT	******	****	1 7 7	****	****					COMPO
EFFLUENT: GROSS VALUE		FY UNDER PENALTY OF	F LAW THAT I HAVE	####	EXAMINED		DAILY MX	MG/L TELEPHONE		MONTH	
· · · · · · · · · · · · · · · · · · ·	AND A	FAMILIAR WITH THE II	NFORMATION SUBMITTE	D HEREIN AN	D BASED		1	TELEPHONE	<u>. </u>	J A	TE
David R. Shoemaker	OBTAIN	ING THE INFORMATION	. I BELIEVE THE SU	BMITTED INFO	RMATION C	心人へ	porata	٠			
Mine Manager	NIFICAN	T PENALTIES FOR SU	IBMITTING FALSE INF	ORMATION, IN	ICLUDING			= = 06 70	:01		6 10
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COMMENT AND EXPLANATION OF ANY						- CR ADIRORIZ	COD	E			DAT
CDD DODUTE DIDE TTT.	•										

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.				TION SYSTEM (NE EPORT (DMR) (17-19)	DES) NATOR	DEEE	WED	n				
ADDRESS P. Q. BOX 469			NMOO	22306		002 A		OMI	No. 2040	0004	. 1	
OUESTA		MM 87556		IIT NUMBER	2	DISCHARGE NUMBE	F F	INAIAPP	oyal go	es 6 -3	0-91.	
				14011	=======================================		SEEPA	GE WI	ling I	ohn	UNDMEN	T
PACILITY .		<u> </u>			TORING PE		⊣ l					
LOCATION		-	FROM YEAR		АУ 01 то <u>УЕА</u>	1 05 DAY		Lotse	HAREA	1	L	
ATTN: DAVID R SHOEM	AKER, GEN		(20-21)			7) (28-29) (30-3)	プ NOTE: F	lead instru	tions befor	e com	pleting thi	s form.
PARAMETER		(3 Card Only) QUA (46-53)	NTITY OR LOAD!! (54-61)	NG 	(4 Card Only) (38-45)	QUALITY O (46-53	R CONCENTRAL	4-61)		NO.	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERA	GE MA	XIMUM	UNITS	(62-63)	(64-68)	(69-70)
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	****	(MG/L)	***	less th	an less	than 03	(19)		l/WK	COMPOS
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	****	****	****	DAIL	.15 Y AV DA	0.30 LLY MX	MG/L		DNCE/	COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	\MG/L	***		0.	000000000000000000000000000000000000000	(*19)	***************************************	1/WK	colles
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	****	****		DA	0.5 ILY MX			MEEKLY	COMPOS
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	****	****	(MG/L)	* ****	0.1	han less	*******	(19)	0	1/WK	COMPOS
01051: 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	******	****	****	DAIL	D.3 CAV DA	0.6 <u>[L¥ MX</u>	MG/L		ONCE/ Month	COMPOS
MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	****	***	(MG/I)	***	1.56	1.	72	(:19)	0	1/WK	COMPOS
01055 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	****	****	*****	* REP		EPORT LLY MX	MG/L		ONCE/ Nonth	COMPOS
MOLYBDENUM, TOTAL (AS MO)	SAMPLE MEASUREMENT	*****	****	(MG/L)	***	2.01	2.	06	(:19)	0	1/WK	COMPOS
01062 1: 0 0	PERMIT REQUIREMENT	****	*****	****	****	≠ REP	•	EPORT LLY MX	MG/L		ONCE/ Month	COMPOS
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	**	**** O.	02	(-19)	0	1/WK	COMPOS
01092 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	****	****	****	\$ \$46.		0.2 ELY MX	MG/L		ONCE/ MONTH	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANS	SAMPLE MEASUREMENT	0.429	0.460	(03)	****			*****	(MGD)	0	Daily	ESTIM
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	MGD	****	4 444	22 D	*****	****		DAILY	ESTIMA
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY O M FAMILIAR WITH THE I	NFORMATION, SUBMIT	TED HEREIN: A	ND BASED		. 1		TELEPHONE	:	D A	TE
David R. Shoemaker Mine Manager	OBTAIN IS TRU NIFICAN	' INQUIRY OF THOSE ING THE INFORMATION IE. ACCURATE AND COI IT PENALTIES' FOR SI	I, I BELIEVE THE S MPLETE I AM AWARE UBMITTING FALSE IN	UBMITTED INF THAT THERE REORMATION, I	ORMATION ARE SIG	Tanil!	2 leve	rata				
·	33 US	OSSIBILITY OF FINE ANI C § 1319. (Penalties und	er these statutes may	include fines un	to \$10,000 SIG	NATURE OF PRI		ADE	586-76		91 06	
TYPED OR PRINTED		maximum imprisonment of		years.)		OFFICER OR AUT	HORIZED AGEN	IT ARE	A NUMB	ER	YEAR M	IO DAY
COMMENT AND EXPLANATION OF ANY							•				•	
SEE PERMIT PART ITT	FOR FURTH	IER REOUTRÉ	MENTS	-				,				

Facility Name/Location if different)	DISCHA		ITORING REPO	RT (DMR)		n Approved.				
ADDRESS P. O. BOX 469			NMOO2	22306		02 A	I OME	B No. 2040, 200	04.	1
OUESTA		NM 87556	PERMI	TNUMBER	DISCH		' - FINALAR	a expires	5-30 91.	
			-	MONIT	ORING PERIC		EEPAGE TAI			NT
PACILITY		·	FROM YEAR	MO_ DA		MO DAY		SW-EA	· 	
ATTN: DAVID R SHOEM	VED CEN	- CHDm	·	05 0		05 31 *	・ 中学 NO DISC NOTE: Reso instru	HARER HOTOR	ampleting i	
ATINA DAVID & SHOEM	AER, GEN		NTITY OR LOADING	(22-23) (24-2 G	3) (20-27) (. (4 Card Only)	28-29) (30-31) QUALITY OR CON		ctions before c	1	
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	Nº		TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	LINITE	63) (64-68)	
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	****	*****	(MG/L)	*****	less than 0.0002	less than 0.0002	(-19)	1/WK	COMPOS
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****	****	****	0.001 DAILY AV	0.002 DAILY HX	MG/L	DNCE/ MON1	******* * ****************************
• .	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
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NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER CERT	IFY UNDER PENALTY OF METERS OF THE STATE OF	F LAW THAT I HAVE F	PERSONALLY E	XAMINED O BASED		1	TELEPHONE		DATE
David R. Shoemaker Mine Manager	ON MY OBTAIN IS TRU NIFICAL	Y INQUIRY OF THOSE NING THE INFORMATION JE. ACCURATE AND CO NT PENALTIES FOR S	INDIVIDUALS IMMEDIATE I. I BELIEVE THE SU MPLETE, I AM AWARE UBMITTING FALSE INF	ELY RESPONSIE BMITTED INFO THAT THERE A ORMATION, IN-	BLE FOR RMATION ARE SIG-	and on	I hound	٠		
	33US	OSSIBILITY OF FINE ANI C § 1319. (Penalties und	er these statutes may in	clude fines up t	0 \$10,000 SIGNAT	URE OF PRINCIPA	ABE	A	91	06 10
TYPED OR PRINTED		maximum imprisonment of		rars.i	OFFIC	CER OR AUTHORIZ	ZED AGENT ARE		YEAR	MO DAY
SEE PERMIT PART III	FOR FURTE	IER REQUIRE	MENTS		* # * # A * # * * *			m.a. '		

Facility Nigre (Location if different) RAME MOLYCORP INC.: OUESTA D	TV.		ARGE MON (2·16)	IITORING REPO)RT (DMK) (17-19)	MAJOR CEST	ATTIVITY OF THE	1		* *
ADDRESS B. Q. BOX 469			22306	S	UM A		Approved B.No. 2040	-0004.	l	
QUESTA	NM 87556		IT NUMBER			F - FINALApp			D-91	
			MONIT	ORING PERIO	30	SUM TOTALJUR	OR 20101	E 0	02	
PACILITY		YEAR	MO DA		MO DAY					
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ATTN: DAVID R SHOEMAKER, GE					28-29) (30-31)	NOTE: Read instru		re com	oleting th	is form.
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Facility Name/Lincation if different) NAME MOLICORP INC. Q	DESTA DIV		DISC	LUTANT DISCH HARGE MO I (2-16)	HARGE ELIMINATION SYS NITORING REPORT (DI	TEM <i>(NPDES)</i> MR) (17-19)		RECEI	F Grand	orm Approv 20:∞orNo	od. <u>10</u> 5004
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) PERMITTEE NAME/ADDRESS (Include Form Approved. NAME MOLYCORP INC. QUESTA DIV. OMB No. 2040-0004 (2-16)(17-19) Flow weighted RECEINPHOND EXPIRATE 30-91 NM0022306 ADDRESS P. O. BOX 469 NM 87556 QUESTA **PERMIT NUMBER DISCHARGE NUMBER** COMPOSITE 001+002 MONITORING PERIOD AUG - 9 1991 **FACILITY** YEAR DAY YEAR MQ DAY FROM MAJOR LOCATION 07 01 07 31 ATTN: DAVID R SHOEMAKER, GEN. SUPT. NOTE: Read instructions before completing this form. (20-21) (22-23) (28-29) (30-31) (24-25) (26-27) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUALITY OR CONCENTRATION EREDUENCY MPLE (46-53) (46-53) (54-61)PARAMETER (54-61)(38-45)EX TYPE **ANALYSIS** (32-37)AVERAGE (**) **MAXIMUM** UNITS **AVERAGE MAXIMUM** UNITS MINIMUM (69-70) (62-63) (64-68)COPPER. TOTAL *** *** *** SAMPLE MEASUREMENT (AS CU) 01042 1 0 0 *** ********** *** 到第0.15% 0.30 REKLYCOHPOS PERMIT REQUIREMENT DAILY AV DAILY MX MG/L EFFLUENT GROSS VALUE *** *** IRON. TOTAL **** **** *** SAMPLE MEASUREMENT (AS FE) !-*** *** **** *** 3-158-40-6 PERLYCOMPOS D1045 1 0 0 PERMIT REQUIREMENT *** DAILY MX MG/L EFFLUENT GROSS VALUE *** *** *** LEAD. TOTAL. SAMPLE MEASUREMENT (AS PB) *** なななななな。 *** ********** 18 Mar 01 3 ft 10 40 016 HEEKLYCOHPOS 01051 1 0 0 PERMIT REQUIREMENT *** DAILY MX MG/L EFFLUENT GROSS VALUE DAILYZAV MANGANESE, TOTAL *** *** *** SAMPLE MEASUREMENT (AS MN) **** 1.5 01055 1 0 0 *** たななななな 增强。第**1.0**0 WEEKLICOMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY/MX NG/L *** **** *** MOLIBDENUM, TOTAL SAMPLE MEASUREMENT (AS NO) *** 01062 1 0 0 ***** *** たななななな。 1.0 · 3 2.0 PERMIT REQUIREMENT *** DAILY AV EFFLUENT GROSS VALUE DAILY MX MG/L **** *** **** **** ZINC. TOTAL SAMPLE MEASUREMENT (AS ZN) 01092 1 0 0 *** *** 344 *** **** **0.2** REEKLYCOMPOS PERMIT REQUIREMENT *** DAILY MX MG/L EFFLUENT GROSS VALUE *** *** *** FLOW, IN CONDUIT OR SAMPLE MEASUREMENT THRU TREATMENT PLANT *** *** *** CONTINTOTALZ 50050 1 0 0 REPORT REPORT PERMIT REQUIREMENT EFFLUENT GROSS VALUE DAILY MX MGD *** UOUS DAILY AV NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE David R. Shoemaker IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIG-Mine Manager NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. \$ 1001 AND 505 [586-7601 91 08 07 SIGNATURE OF PRINCIPAL EXECUTIVE 33 U.S.C. \$ 1319. (Penalties under these statutes may include fines up to \$10,000 OFFICER OR AUTHORIZED AGENT **TYPED OR PRINTED** and or maximum imprisonment of between 6 months and 3 years.) NUMBER YEAR MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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Mine Manager Is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the Possibility of fine and imprisonment. See 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.) Signature of principal executive of Signature of Principal executive of Signature of Signature of Principal executive of Signature of Signature of Signature of Signature of Principal executive of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signature of Signa	parid p. Character	AND AN ON MY	INQUIRY OF THOSE IT	NEORMATION SUBMITT NDIVIDUALS IMMEDIAT	ED HEREIN; A	SIBLE FOR		ci T				
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PERMITTEE NAME/ADDRESS (Include			NATIONAL POLI	LUTANT DISCI	HARGE ELIMINATION SYS	STEM (NPDES)				Form Appro		
Facility Name/Location if different) NAME MOLYCORP INC . 10	UESTA DIV	F•-1		(2-16)	NITORING REPORT (L	MR) (17-19)	- FINAL			OMB No. 2		
ADDRESS P. O. BOX 469			NMOO:	22306	00	01 A I	ROCES	DEFFI	/FD	Approvale	cpires 6	-30-91
QUESTA	-	M 87556	PERM	IT NUMBER	DISCH	IARGE NUMBER	1 T -	ILCLI		<u> </u>		
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ATTN: DAVID R SHOEMA	KRR GEN-	Tanz.	(20-21)				NOTE: Read in:	structions befo	re com	pleting th	is forn	n.
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(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	I UNITS		ANALYSIS	; i	59-70)
CODDED SOMAT		****	****		****		<u> </u>		(62-63)	(64-68)	10	19-70)
COPPER, TOTAL	SAMPLE MEASUREMENT		An An An An An An An		*****	·. ·		· I				
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COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here,)									

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. O	DISC	UTANT DISCH HARGE MON (2-16)	IARGE ELIMINATION SY NITORING REPORT (L	OMR)	F - FINAL	RECE	V . ON	m Approv MB No. 204	0-0004		
ADDRESS P. O. BOX 469			NEOO2		_		PROCESS WA	1 .		proval exp	res 6-30-91
	N	M 87556	PERM	IIT NUMBER		IARGE NUMBER	NO FLOW FOR	MAY / ENTIRE MI	55 		
FACILITY			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ITORING PERIO)	to real for	DIALTIO LIG			1
LOCATION			FROM 91		AY TO YEAR	MO DAY 1	MAJOR	6W-	·EA		
ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-		(28-29) (30-31)	NOTE: Read-insti			ting this	form.
PARAMETER	,/	(3-Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	ì .	(4 Card Only) (38-45)	QUALITY OR CON (46-53)	ICENTRATION (54-61)		NO. FF	REQUENCY	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM	UNITS	мимим	AVERAGE	MAXIMUM	UNITS	^	(64-68)	(69-70)
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71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****		*** ****	*****	0:001 DAILY A	0.002 V DAILY M	(2011-170)	W.	SEKLY	COMPOS
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PERMITTEE NAME ADDRESS (Include Facility Name LOCATION IT NO.)	NATIONAL POLL DISCHA	MAJOR For	REC n Approve	J							
ADDRESS P. O. BOX 469			NMOOZ	22306	0	02 A	ОМ	B No. 2040	-0004		Ž.
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FACILITY			- YEAR	MO DA			4	D R P	9	i industria section	
LOCATION			FROM 91		31 TO 191	04 30 4	*** NO DISC	HARGEV	PE	***	-
ATTN: DAVID R SHOEMA	KER, GEN	SUPT.	(20-21)	(22-23) (24-	25) (26-27) (2	28-29) (30-31)	NOTE: Read instru	ctions befo	re com	pletingth	is*form.
	$\overline{}$	1,	NTITY OR LOADIN	G	1 ' ''	QUALITY OR CON			NO.	FREQUENC	SAMPLE
PARAMETER (32-37)	\times	(46-53)	(54-61)		(38-45)	(46-53)	(54-61)	T	EX	OF ANALYSIS	TVPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	*****	(MG/L)	****	6.75	8.0	(19)	0	1/WK	COMPOS
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₽# ·	SAMPLE MEASUREMENT	*****	****	(SU)	7.3	****	7.5	(-12)	0	1/WK	GRAB
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SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	***	***	(MG/L)	****	2.58	3.9	(*19)	0	1/WK	COMPOS
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	*****	****	****	20 DAILY AV	30 DAILY MX	MG/L		ONCE/ MONTH	COMPOS
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	****	****	(MG/L)	*****	less than 0.001	less than 0.001	(19)	0	1/WK	COMPOS
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.025 DAILY AV	0.05 DAILY MX	MG/L		DNCE/ MONTH	COMPOS
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	****	****	(MD/I)	****	****	2.0	(-19).	0	1/WK	COMPOS
00951 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	****	****	*****	******	3.0 DAILY MX			DNCE/ MONT!	
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	****	****	(MG/L)	****	LESS THAN	LESS THAN	(19)	0	1/WK	COMPOS
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	***	*****	****	****	0.5 DAILY AV				DNCE/ Monti	COMPOS
(AS CD)	SAMPLE MEASUREMENT	****	***	(MG/L)	*****	****	0.02	(_19)	0	1/WK	COMPOS
01027 1 0 0 EFFLUENT GROSS VALUE	******	****	*****	****	****	****	0.05 DAILY MX	MG/L		ONCE/ MONTE	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE	AND A	TIFY UNDER PENALTY C M FAMILIAR WITH THE	INFORMATION SUBMITTI	ED HEREIN: AN	ND BASED		,	TELEPHON	<u> </u>	D /	ATE
David R. Shoemaker	OBTAIN	Y INQUIRY OF THOSE NING THE INFORMATION JE. ACCURATE AND CO	N, I BELIEVE THE SU	BMITTED INFO	ORMATION	. Lin)/ . \/L	<u>_</u>			
Mine Manager	NIFICAL	JE, ACCURATE AND CO NT PENALTIES FOR S OSSIBILITY OF FINE AN	DEMITTING FALSE INF	FORMATION, II	NCLUDING COL	WY C	para	 E 0 C 3	603		05 00
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TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY					OFFIC	CER OR AUTHORIZ	ZED AGENT COD		ER	YEAR	MO DAY
SEE PERMIT PART III	FUR FURTE	iek kequire	MENTS.								

Facility Name/Location if different DISCHARGE MONITORING REPORT (DMR) NAME MOLYCORP INC. OUESTA DIV. MAJOR (2-16) (17-19)Form Approved: ADDRESS P. . O. BOX 469 NM0022306 002 A OMB No. 2040-0004. NM 87556 OUESTA PERMIT NUMBER DISCHARGE NUMBER F - FINALApproval expires \$30-91 SEEPAGE TAILING IMPOUNDMENT MONITORING PERIOD FACILITY YEAR YEAR DAY *** NO DISCHARGE FA | *** LOCATION FROM 91 01 TO 91 30 ATTN: DAVID R SHOEMAKER. GEN. SUPT. NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) /30-311 QUALITY OR CONCENTRATION (3 Card Only) QUANTITY OR LOADING (4 Card Only) REQUENCY SAMPLE NO. PARAMETER (46-53)(54-61) (38-45)(46-53)(54-61)OF ANALYSIS TYPE (32-37)UNITS MINIMUM MAXIMUM UNITS AVERAGE MAXIMUM AVERAGE (69-70)(62-63) (64-68) COPPER. TOTAL **** **** **** (MG/I) LESS THAN LESS THAN (:19) SAMPLE MEASUREMENT (AS CU) (0.03 0.03 1/WK COMPOS 01042 1 0 0 **** cocce tocc **** 0.15 0.30 DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L MONTH IRON, TOTAL *** *** **** **** (19)(MG/L) less than SAMPLE MEASUREMENT (AS FE) 0.1 1/WK COMPOS 01045 1 0 0 **** **** ***** ***** 0.6 HEEKLYCOMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY MX MG/L LEAD, TOTAL *** *** *** (19)less than (MG/L) less than SAMPLE MEASUREMENT (AS PB) : 0.1 0.1 1 /WK COMPOS 01051 1 0 0 **** *** *** **** 0.3 0.6 DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DATLY AV DAILY MX MG/L MONTH MANGANESE, TOTAL **** *** *** (19) (MG/L) SAMPLE MEASUREMENT 1.51 1.64 1/WK COMPOS (AS MN) 0. 0 01055 1 **** **** *** ***** REPORT REPORT DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L MONTH MOLYBDENUM, TOTAL **** **** ***** (.19)SAMPLE (MG/L) MEASUREMENT 2.0 (AS MO) 2.22 1/WK COMPOS 01062 1 0 0 **** aaaaaa *** ***** REPORT REPORT DNCE/ COMPOS PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** DAILY AV DAILY MX MG/L MONTH ZINC, TOTAL *** *** **** **** (MG/L) (19)SAMPLE 0.01 1/WK COMPOS (AS ZN) MEASUREMENT 01092 1 0 0 **** areara *** ***** **** 0.2 DNCE/ COMPOS PERMIT REQUIREMENT EFPLUENT GROSS VALU *** MG/L DAILY MX MONTH FLOW. IN CONDUIT OR **** **** **** (°03) SAMPLE (MGD) 0 ESTIM Dailv 0.422 0.428 MEASUREMENT THRU TREATMENT PLANT 50050 1 0 0 ***** acced tota REPORT REPORT **** DAILY ESTIMA PERMIT REQUIREMENT EFFLUENT GROSS VALUE *** NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED TELEPHONE DATE AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN: AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR David R. Shoemaker OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIG-Mine Manager NIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C \$ 1001 AND 505 586-7601 91 105 09 SIGNATURE OF PRINCIPAL EXECUTIVE 33 USC \$ 1319. (Penalties under these statutes may include fines up to \$10,000 AREA and or maximum imprisonment of between 6 months and 5 years.) NUMBER TYPED OR PRINTED OFFICER OR AUTHORIZED AGENT YEAR MO DAY COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SEE PERMIT PART III FOR FURTHER REQUIREMENTS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS /Include

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC.			ARGE MON	IARGE ELIMIN	MAJOR	RECEI	\mathcal{N}^{-}	~		
ADDRESS P. O. BOX 469	<u>go do am o av</u>	<u> </u>		(2·16) 22306		(17-19) 002 A		©MB No. 2040	The same of the sa	j
OUESTA		M 87556	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	IT NUMBER		DISCHARGE NUMBER	F - FINA	LAppingari expir	es)6,30-9,1.	Í
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Facility Name/Location if different) NAME MOLYCORP INC.	UESTA DIV	• 4	DISCH	ARGE MOI	RT (DMR) (17-19)	AJOR FOR	n Approved	2			
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Facility Name/Location if different) NAMENOLYCORP_INCQ	HESTA DIV	, Word	DISCHARGE MONITORING REPORT (DMS) (2-16) (17-19)				F - FINAL RECEIVED					
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PERMITTEE NAME/ADDITION (Figure 1) Facility Name/Location if different NAME MOLYCORP INC. Q		(1)ad	DISC	HARGE MOI	NITORING REPORT (D	MR)					
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q	UPEMA NTE	\mathcal{L}	DISC	UTANT DISCH HARGE MON (2-16)	IARGE ELIMINATION S NITORING REPORT ((DMR)	F - FINAL			
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ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-		(28-29) (30-31)	NOTE: Read inst			ng this form.
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)		Mad	DISC	HARGE MO	HARGE ELIMINATION SYS NITORING REPORT (D	MR)						
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ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	1-25) (26-27) (28-29) (30-31) N	IOTE: Read instruc	tions before	completi	ng this f	orm.	
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME <u>MOLYCORP INC</u> Q	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)								:	•	
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ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24-	(26-27)	(28-29) (30-31) N	IOTE: Read instru	ctions before	completi	ngthis	form.
PARAMETER		(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61))	(4 Card Only) (38-45)	QUALITY OR CONC ' (46-53)	ENTRATION (54-61)	6W-EA	NO. FRE	UENCY	SAMPLE
(32-37)	\times	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	ESCITATION S	ANA	OF) ALYSIS	TYPE
	$\overline{}$			UNITS			WAXIMOW	-ONITS	62-63) (6	4-68)	(69-70)
COPPER, TOTAL	SAMPLE MEASUREMENT	****	***		***	less than	less than	1	0 1 /	,,,	bolanos
(AS CU)		***	*****			0.03	0.03	<u> </u>	0 1/4		COMPOS
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q	HESTA DIV	(Dad	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19)								
ADDRESS P. O. BOX 469	3 44 4 7 - 7 - 7 - 7	<u> </u>	NMOOZ	22306		02 A S	- FINALOF EEPAGE TAT	YE Y		iknd mie n	*
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ATTN: DAVID R SHOEMA	KER, GEN.		(20-21)	(22-23) (24			NOTE: Read instru	tigus petor	ejcomi	pletingthis	form.
PARAMETER	\ /	(3 Card Only) QU (46-53)	ANTITY OR LOADING (54-61)	à	(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (54-61)	CHARLES CHARLES THE STATE OF	NO.	FREQUENCY	SAMPLE
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME <u>MOLYCORP</u> INC Q	NPSTA DTV	Ubd	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR) (2-16) (17-19) F - FI-N-A-L											
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ATTN: DAVID R SHOEMA	KER, GEN.	SUPT • (3 Card Only) QU	(20-21) IANTITY OR LOADING	(22-23) (24-	25) (26- (4 Card Only)	27) (2	<i>(8-29) (30-31)</i> QUALITY OR CO	NOTE Read i				1		 -
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David R. Shoemaker	ON MY OBTAIN	INQUIRY OF THOSE II	NDIVIDUALS IMMEDIATE N. I BELIEVE THE SUB MPLETE. I AM AWARE	LY RESPONS	RMATION		111	Jan-	يــار [~	}			
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MOLYBDENUM - AVG 6	MONTHS P	RECEEDING.	• •											

MOLYBDENUM - MAK

CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Tacility Name/Location if different) NAME MOLYCORP INC. QUESTA DIV. ADDRESS P. O. BOX 469 QUESTA NM 87556			NMOO2	HARGE MOI (2-16)		MR) (17-19) P	ROPERE	ERV =		roved. 2040-0004 expires 6-30-91
FACILITY LOCATION			FROM YEAR	MO D	ITORING PERIOD	MO DAY	NO FLOW FOR MAR 1	ENTIRE	М ТН	
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24		28-29) (30-31) N	IOTE: Read instruc	ctions before	completing t	his form.
PARAMETER (32-37)		(46-53)	JANTITY OR LOADING (54-61)		(4 Card Only) (38-45)	QUALITY OR CONC (46-53)	ENTRATION (5	EA	NO FREQUEN OF ANALYS	TYPE
(52-57)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE ```	MAXIMUM	UNITS	(62-63) (64-68)	- 1
OXYGEN DEMAND, CHEM. (HIGH LEVEL) (COD)	SAMPLE MEASUREMENT	****	****		****					
00340 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****	*** ****	*****	DAILY AV	90 DAILY MX	MG/L	BEEKL	YCOMPOS
PH	SAMPLE MEASUREMENT	****	****			****				
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SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	****	****		****	Drib and edininger - x				2.02.2
00530 1 0 0 EPPLUENT GROSS VALUE	PERMÍT REQUIREMENT	*******	****	****,	*****	DAILY AV	DAILY MX	HG/L:	VEEKL	YCOMPOS
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00720 1 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	obsops :	***	****	0.025 DAILY AV	0.05 DAILY MX		TWICE	/COMPOS
FLUORIDE, TOTAL (AS F)	SAMPLE MEASUREMENT	****	*******)	*****	*****		<u> </u> .		
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ARSENIC, TOTAL (AS AS)	SAMPLE " MEASUREMENT	Δ.	Vio. STARFOR	e	*****					
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(AS CD)	SAMPLE MEASUREMENT	The second	Date Ties.		*****	****		<u> </u>		
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COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Referen	nce all attachments here,)	•						

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. Q ADDRESS P. O. BOX 469 QUESTA	MOLYCORP INC. QUESTA DIV. S.P.O. BOX 469 QUESTA NM 8755			HARGE MOI (2-16) 22306 IIT NUMBER	, DISCH	01 A P. HARGE NUMBER	- FINAL ROCESS WA		(Form Approvi DMB No. 204 Approval exp	
FACILITY			FROM YEAR	MO D	AY YEAR	MO DAY	n Gu	7	1		
ATTN: DAVID R SHOEMA	KPR : :GPN :	SIDT		(22-23) (24	O1 TO 91 (26-27)		ASOR NOTE: Read instr	uctions befor	e comp	letina this	form.
		(3 Card Only) QL	ANTITY OR LOADING		(4 Card Only)	QUALITY OR CONC	ENTRAMIAN	1991	NO.	FREQUENCY	SAMPLE
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		AVERAGE	MAXIMUM ,	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
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		*****	****	*****	****	DAILY AV	DAILY	I HG/L	* %*		
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME MOLYCORP INC. QUESTA DIV. ADDRESS P. O. BOX 469 QUESTA NM 87556			NM002	(2-16)	HARGE ELIMIN NITORING R	0.0	RTEM (NPDES) MR) (17-19) 1 A ARGE NUMBER	P - PINAI PROCESS I		R.	C	orm Appro MB No. 20 pproval ex	040-000	
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ATTN: DAVID R SHOEM	KER, GEN.		(20-21) ANTITY OR LOADING	(22-23) (24	-25) (4 Card On	<u> </u>	28-29) (30-31)	NOTE: Read in ONCENTRATION	Structi	ons before	гi		$\overline{}$	1.
PARAMETER		(46-53)	(54-61)	ı	(38-4	• /	(46-53)	(54-61)		•	NO.	REQUENC OF		MPLE YPE
(32-37)		AVERAGE	MAXIMUM	UNITS	MININ	MUM	AVERAGE	MAXIMUN	1	UNITS	(62-63)	ANALYSIS (64-68)		9-70)
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David R. Shoemaker	ON MY OBTAIN IS TRU NIFICA	VINQUIRY OF THOSE II NING THE INFORMATION IE, ACCURATE AND CO INT PENALTIES FOR SU DSSIBILITY OF FINE AN	NDIVIDUALS IMMEDIATI N. I BELIEVE THE SUE MPLETE. I AM AWARE JBMITTING FALSE INFO	ELY RESPON BMITTED INF THAT THERE ORMATION I	SIBLE FOR ORMATION E ARE SIG- NCLUDING	Dan	ind no	Loanste	/	1				
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COMMENT AND EXPLANATION OF ANY	VIOLATIONS (Refere	ence all attachments here,	•	•						•				

PERMITTEE NAME/ADDRESS (Include

PERMITTEE NAME/ADDRESS (Include		- 0 :			HARGE ELIMINATION SYS NITORING REPORT (D					om Approv	
NAME_ MOLYCORP INC. Q	UESTA DIV	'•'		(2-16)		(1710)	- HAH			OMB No. 204	
ADDRESS P. O. BOX 469			NEOO2	2306	00)2 A 5	BEP PEG	I I AVA	E PT	POHEN	S 6-30-91
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			<i>"</i> ——	MON	ITORING PERIOD	 i	•			J	
FACILITY			YEAR			MO DAY	MAR	1 4 1991			
LOCATION			FROM 91		61 10 91	02 28 N	AJOR	1 1001			
ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	(20-21)	(22-23) (24	-25) (26-27) (2		NOTE: Read instruc	tions before	comp	leting this	form.
			ANTITY OR LOADING	3	(4 Card Only)	QUALITY OR CONC		/ A	NO.	FREQUENCY	SAMPLE
PARAMETER (32-37)	\times	(46-53)	(54-61)	·	(38-45)	(46-53)	11:		EX	OF ANALYSIS	TYPE
		AVERAGE '	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	(62-63)	(64-68)	(69-70)
OXYGEN DEMAND, CHEM.	SAMPLE	***	****	,	****	•	•				
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(AS, CD)	MEASUREMENT		·			<u> </u>	0.02		0	1/WK	COMPOS
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EFFLUENT GROSS VALUE	REQUIREMENT			***			DAILY MX	MG/L	. Y.Z	MONTH	
NAME/TITLE PRINCIPAL EXECUTIVE OF		IFY UNDER PENALTY O M FAMILIAR WITH THE I	NEODMATION SUBMITT	ED HEREIN: A	ND BASED	1		TELEPHONE		DA	TE
David R. Shoemaker	ON MY	INQUIRY OF THOSE IN ING THE INFORMATION E, ACCURATE AND COINT PENALTIES FOR SU	NDIVIDUALS IMMEDIAT	ELY RESPON	SIBLE FOR ORMATION		1			1	
•	IS TRU	E, ACCURATE AND COL	MPLETE I AM AWARE JBMITTING FALSE INF	THAT THERE	ARE SIG	my ho	renares	.			_
Mine Manager	I THE PO	SSIBILITY OF FINE AN	D IMPRISONMENT. SEL	: 18 U.S.C. §	1001 AND SIGNA	TURE OF PRINCIPAL			601	91 0	3 11
TYPED OR PRINTED	and or m	aximum imprisonment of be	etween 6 months and 5 years		OFF	ICER OR AUTHORIZE	D AGENT ARE	A NUMBE	R	YEAR !	MO DAY
COMMENT AND EXPLANATION OF ANY V		,					,				
CHANGE TRANSPORTED TO THE TANK THE TE	BAN PARAB	IDD DUOUTED	DE ICH SKERN CY 1								

SEE PERMIT PART III FOR FURTHER REQUIREMENTS:

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

PERMITTEE NAME/ADDRESS (Include			NATIONAL POLL	UTANT DISCH	HARGE ELIMINATION SYS	TEM (NPDES)				Form Approv	
NAME NOLYCORP INC. 2	UESTA DIV	· · · · · · · · · · · · · · · · · · ·		MANGE MOI <i>(2-16)</i>	NITORING REPORT (D	MR) (17-19) ?	- FIND	an.	• •	OMB No. 204	10-0004
ADDRESS P. O. BOX 469		/T	W NEOO2	2306	00)2 A S	- FINDE EEPAGE HAT	LENE H	MALE	ALL THE W	iges 6-30-91
OUESTA		N 87556	- \	IIT NUMBER	DISCH	ARGE NUMBER	UU	~ ~	0 [∍∦∦	
			() 								
FACILITY			<u> </u>		ITORING PERIOD		N	IAR 1 1 1	004		
LOCATION		· 	FROM YEAR		AY TO YEAR	MO DAY	AJOR	L 1	991		
ATTM: DAVID R SHOEMA	RED CEN	SUDT.	(20-21)	(22-23) (24			NOTE: Read instru	rtions.before	comp	letina this	s form.
ATTE: DAVID R SHOEGE	LLI, OLIV		ANTITY OR LOADING		(4 Card Only)	QUALITY OR CONC			A	•	T
PARAMETER		(46-53)	(54-61)		(38-45)	(46-53)	(54-61)		EX	FREQUENCY OF	SAMPLE TYPE
(32-37)		AVERAGE	MAXIMUM `	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS.	(62-63)	· ANALYSIS (64 <u>-6</u> 8)	(69-70)
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IRON, TOTAL	SAMPLE	****	****		****	****					
(AS FE)	MEASUREMENT		•	-			0.12	(3)	0	1/WK	COM
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EFFLUENT GROSS VALUE	REQUIREMENT ?			****			DAILY MX	MG/L			
LEAD, TOTAL	SAMPLE	*****	***		****	less than	less than	1	Mar. 1981. 30.	-75-low- 27- 13	
(AS PB)	MEASUREMENT		•			0.10	0.10	1.	0	1/WK	COMPOS
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(AS MN)	MEASUREMENT	4.				1.5	1.6		0	1/WK	COMPOS
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MOLYBDENUM, TOTAL	SAMPLE	***	***		****	DREDESM	. DRIBA GA	110, 11		HONZH	· · · · · · · · · · · · · · · · · · ·
(AS MO)	MEASUREMENT				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.88	2.04		0	1/WK	COMPOS
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THRU TREATMENT PLANT	97 May 201 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.365	<u> </u>		******	all algorithm also also algorithm in a	· · · · · · · · · · · · · · · · · · ·	1		DAILY	
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David R. Shoemaker	` OBTAIN	INQUIRY OF THOSE IN IING THE INFORMATIO E, ACCURATE AND COP	N. I BELIEVE THE SU	SMITTED INF	ORMATION	inch	e Le			•	. [
Mine Manager	NIFICA	NT PENALTIES FOR SU DSSIBILITY OF FINE AN	IBMITTING FALSE INF	ORMATION, I	NCLUDING	TUDE OF POINCIPA	EVECUTIVE 50	5 586-76	101	91 0	3 11
TYPED OR PRINTED	33 U.S.	C. § 1319. (Penalties un aximum imprisonment of be	der these statutes may in	iclude fines up	10 \$10.000 SIGNA	TURE OF PRINCIPAL ICER OR AUTHORIZI	DAGENT ARE	A NUMBER			MO DAY
COMMENT AND EXPLANATION OF ANY V				**			COL	DE I	1		JANI

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME HOLYCORP INC. QUESTA DIV.				HARGE MO	HARGE ELIMINA NITORING RE	PORT (D.	MR)	10 × 3 10				Form Approv OMB No. 204	
NAME MULICURP 18C. Q	OESTA DIA	·	NHOO2	(2-16) 22306			(17-19) 2 A :	F - F	ED EX	THENGN 1		APPOYA EN	
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OCATION ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.	- (20-21)	(22-23) (24			28-29) (30-31)			uctions befo	- •	pleting this	s form.
7 11 11 11 11 11 11 11 11 11 11 11 11 11			ANTITY OR LOADING	<u> </u>	(4 Card Only (38-45	<i>)</i>	QUALITY OR CO (46-53)	ONCENTRA		MEA	NO.	FREQUENCY	SAMPLE
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David R. Shoemaker	ON MY OBTAIN IS TRUI	M FAMILIAH WITH THE II INQUIRY' OF THOSE II IING THE INFORMATIO E, ACCURATE AND COI NT PENALTIES FOR SI	N. I BELIEVE THE SUI MPLETE. I AM AWARE	BMITTED INF	ORMATION E ARE SIG	Ca	wida,	ham	Sheh	,			
Mine Manager	I THE PC	NT PENALTIES FOR SU DSSIBILITY OF FINE AN C. § 1319. (Penalties ur	D IMPRISONMENT. SEE	: 18 U.S.C. §	1001 AND		TURE OF PRINCI			05 586-	7601	91 03	3 11
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME <u>MOLYCORP</u> INC • <u>*</u> Q			、【】 / DISCI	HARGE MON	ARGE ELIMINATION SYS ITORING REPORT (D	DMR)					
NAME MOLYCORP INC. Q ADDRESS P. O. BOX 469	UESTA DIV		NM002	2-16)		(17-19) JM A	F - FINAL	FOR 001	· 6 002		
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ATTN: DAVID R SHOEMA	KER, GEN.	SUPT.		(22-23) (24-2		(28-29) (30-31)	MAJOR MAJOR NOTE: Read ins	tructions betop	completin	g this form	1.
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(32-37)		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		ANIA	YSIS '	YPE (9-70)
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David R. Shoemaker	l OBTAIN	IING THE INFORMATIO	NDIVIDUALS IMMEDIATE ON. I BELIEVE THE SUB MPLETE, I AM AWARE	MITTED INFO	RMATION I	2	1/2 1				
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COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Refere	nce all attachments here,	, .					CORE			
MOLYBDENUM - AVG 6	MONTHS P	RECEEDING.	• *							,	

MOLYBDENUM - MAX CURRENT MONTH ONLY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME <u>MOLYCORP</u> INC. QUESTA DIV.			NATIONAL POL DISC	HARGE MO	HARGE ELIMINATION SYS NITORING REPORT (D	MR)			Form Appr OMB No. :)4
	OESTA DI	! - +{	ν . Γ	(2-16)		<u>(17-19)</u>			Approval e		
ADDRESS P. O. BUX 469			. \	22306	— 	F1	ow weighted				
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ATIN: DAVID R SHOEMA	KER, GEN		(20-21)	(22-23) (24	1-25) (26-27) (. (4 Card Only)		OTE: Read instruc	tions before ce			n
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David R. Shoemaker	OBTAIN IS TRU	ING THE INFORMATION	I. I BELIEVE THE SUPPLETE I AM AWARE	MITTED INF	ORMATION ARE SIG	and ach	nenda		1 1		
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location of different) NAME 10L1 CONP INC. Q ADDRESS P. O. BOX 469			NMOO	CHARGE MO (2-16) 22306		(17-19) Fi	ow weighted			rovod. 2040-0004 oxpiros 6-30-91
QUESTA	<u> </u>	n 87556 \	PER	MIT NUMBER	DISCH	ARGE NUMBER CO	MPOSITE 001+	1002	·	
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ATTH: DAVID R SHOEMA	FFD CFN	SUDT	- 91)	JZ <u> 28</u> .	iOTE: Read instruc	tions before c	ompletion t	his form
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MANGANESE, TOTAL (AS MN)	SAMPLE MEASUREMENT	***	***		****					
01055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	**************************************	*****	***	*****	DAILY AV	1.5 DAILY MX	MG/L	PEEKL	YCOMPO
MOLIBDENUM, TOTAL (AS NO)	SAMPLE MEASUREMENT	***	****		****		:			
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ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	****	****		****	****		, =		
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	***	*****	*** ****	****	*****	0.2 DATLY MX	MG/L	BEEKL	YCOMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT				****	***	***			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	REPORT DAILY MX	ngD	******	****	*****	***	CONTI	NTOTAL
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME HOLYCORP INC. G ADDRESS P. D. BOX 469	·	DISC		ARGE ELIMINATION SYS		•		(Form Approve OMB No. 204 Approval expi	10 0004	
QUESTA	<u>_</u>	M 87556	-	NIT NUMBER	TORING PERIOD	C	low weighted omposite 001	€022 ° V	E	7	
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EPA Form 3320-1 (Rev. 9-88) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

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Facility Name/Location if different NAME MOLYCORP INC. Q	UESTA DIV	. (Dad		LUTANT DISCH HARGE MON (2-16)	ARGE ELIMINATION SY IITORING REPORT (L	STEM (NPDES) DMR) (17-19)]	F - PTNAL		F- 03 A	ED		
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Mine Manager	THE PC	SSIBILITY OF FINE AN	D IMPRISONMENT. SEE	E 18 U.S.C. §	1001 AND SIGNA	TURE OF PRINCIPA		05 586–7	601	91 0)4	80
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)			NATIONAL POLI DISC	LUTANT DISC	HARGE ELIMINATION ONITORING REPORT	SYSTEM (NPDES) (DMR)		1	ン ニ゠゠゠		Form App		•••
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different) NAME BOLYCORP INC • Q	OUESTA DIV	1	DISC	LUTANT DISCH HARGE MOI (2-16)	HARGE ELIMINATION SYS NITORING REPORT (D	OMR)	- FINAL	1		Form Approv OMB No. 204	
ADDRESS P. O. BOX 469			NMO02	<u>` </u>			ROCESS WAT	ER		Approval exp	ires 6-30-91
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State of New Mexico

ENVIRONMENT DEPARTMENT

Harold Runnels Building 1190 St. Francis Drive, P.O. Box 26110 Santa Fe, New Mexico 87502 (505) 827-2850

JUDITH M. ESPINOSA SECRETARY

> RON CURRY DEPUTY SECRETARY

(505) 827-2850 RUCE KING GOVERNOR

Certified Mail - Return	Receipt Requested - P	757 742 743 -
December 4, 1991	1 - Permit/CD 2 - AO & AO matl 3 - DMR's	RECEIVED
Mr. David R. Shoemaker Mine Manager	4 - Vio. Sum. Log 4 - Vio. Sum. Log 5 - NCR 6 - Correspondence	DEC 1 n 1991
Molycorp, Inc. P.O. Box 469 Questa, New Mexico 8756	7 - CRAS	

Re: October 29, 1991 Spill -- Corrective Action Report

Dear Mr. Shoemaker:

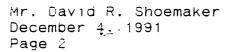
The Environment Department (ED) is in receipt of Molycorp's November 1, 1991 letter addressing written notification and corrective actions for the referenced spill. The ED is also in receipt of Molycorp's verbal notification of a discharge on November 26, 1991. We understand Molycorp has sent a written report on the November discharge which we have not yet received. However, in accordance with the New Mexico Water Quality Control Commission regulation 1-203.A.7., the ED must act on the November 1, 1991 letter by December 5, 1991.

Pursuant to WQCC regulation 1-203.A.7. your corrective action report is hereby disapproved. A modified corrective action report is therefore required in accordance with the regulation and must be submitted within 15 days of your receipt of this letter. The modified report must address the problems discussed in the summary below regarding the repeat discharge on November 26, 1991, i.e., why the corrective actions employed after the October discharge did not prevent the November discharge.

Summary

In the early morning hours of October 29, 1991 an unknown volume of mine (de)water overflowed from a reclaim tank near the Molycorp mill. The water traversed Molycorp property and a portion entered the Red River. According to Molycorp, the discharge was in part caused by shut down of the mill and removal of both tailings lines from service for repair. The tailings lines are the normal avenue for disposition of this water.

Molycorp verbally notified the ED Surface Water Quality Bureau at approximately 11:45 hours the same day in accordance with WQCC regulation 1-203.A.1 and described immediate corrective actions taken. Molycorp's November 1, 1991 corrective action report



delineated additional management actions initiated to prevent future similar occurrences. These actions include a formal scheduled management meeting to discuss possible water management problems and contingencies prior to shut-down.

On December 2, 1991, Molycorp verbally notified the ED Surface Water Quality Bureau at approximately 13:13 hours that an unknown amount of water had overflowed from a holding tank on Tuesday November 26, 1991 and had reached the Red River. The water in the tank was reportedly from the Red River. According to Molycorp, the water may have been contaminated by yard oil or grease as it traversed the property on the way to the river.

On December 4, 1991, Mr. Glenn Saums of my staff spoke to Mr. Bill Renison of your staff and learned that he believed the tank involved in the November incident was the same tank as involved in the October incident, albeit the source of the water was different. If this is the case, then the corrective actions submitted by Molycorp in regard to the October incident which were intended to prevent future inadvertent spills of any kind from this tank were obviously ineffective or inadequate.

Comment

It is noted the October water samples collected and analyzed by Molycorp were tested according to the 16th edition of <u>Standard Methods for the Examination of Water and Wastewater</u>. For your information, the United States Environmental Protection Agency recently revised its list of approved analytical techniques found in 40 CFR 136. The revisions include changing approval from the 16th edition to the 17th edition. The change to the 40 CFR 136 regulation was published in the October 8, 1991 <u>Federal Register</u> (56 FR 50758). If you have not already done so, you should update your analytical protocol according to the new regulations.

I appreciate your prompt attention to this matter. If you have any questions, please contact Glenn Saums of my staff at 827-2827.

Sincerely,

Jim Piatt

Chief

Surface Water Quality Bureau

cc:

USEPA Region 6 Enforcement Branch (6W-ET) Kathleen M. Sisneros, Director, NMED-W&WMD Rip Harwood, NMED-OGC Richard Mitzelfelt, NMED-Dist. II Office Mr. David R. Shoemaker December 4, 1991 Page 3

Ken McCallum, NMED-Taos Field Office Steve Cary, NMED-GWP&RB Jake Ortega, Concerned Citizen

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL 76

December 3, 1991

2 - AO & AO matl

4 - Vio. Sum. Log

. CRAS Date Filed. Clerk's Inits.

.6 - Correspondence

3 . DMR's

5 NCR

Glen Saums Surface Water Section N.M. Environment Department 1190 St. Francis Drive Santa Fe, New Mexico 87503

Dear Mr. Saums:

This letter summarizes the December 2, 1991, telephone conversation between LeRoy Apodaca of Molycorp and Ann Young of NMED reporting the malfunction of the mill water system on the evening of November 26 and repeated problem during early morning of November 27, 1991.

The first water system problem was discovered around 9:30 p.m. on November 26 when Molycorp security personnel discovered that a mill water tank was overflowing into the upper mill yard area. A second overflow situation was also occurring in the lower mill yard with the overflow of an outside concrete sump. The overflow problem occurred at the end of a four-day mill shutdown during which time only river diverted water was supplying mill shutdown requirements. A power bump probably disrupted the computer controlling the pumps feeding the water tank, thereby not shutting down the feed pumps or river diversion pump. Security personnel corrected the situation and contacted the maintenance superintendent, Bill Renison, to notify him of the situation. Mr. Renison, in the confusion of the moment, assumed that no recycled river water had entered the Red River from either overflow location, although water from the lower mill yard overflow crossed the highway and ponded in two depressions located between the highway and the river.

The second overflow occurrence took place at approximately 6:00 a.m. on November 27 and was a repeat of the previous evening's pumps control problems.

After a more detailed investigation of the 9:30 p.m. and 6:00 a.m. occurrences, we have to assume that during the 9:30 p.m. overflow situation some recycled river water might have reached the river through a storm culvert located under the highway adjacent to the upper mill yard. We have no way of gauging the quantity.

Inspection of the overflow areas shortly after the 6:00 a.m. occurrence showed that no water entered the river at either the upper or lower yard sites.

The mill water system computer control malfunction has been corrected. In order to eliminate any further water system overflow problems, a mill employee will be on duty during all four-day mill shutdowns to monitor and correct any problems.

If you should have any further questions, please phone me at 586-7601.

Very truly yours,

David R. Shoemaker

Mine Manager

cc: B. Smith, EPA Dallas, Texas

6W M

NECTIVED JATER SUPPLY BRAN

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1 · Permit/CD
2 · AO & AO matl
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Date Filed

MOLYCORP

November 1, 1991

Mr. Glen Saums
State of New Mexico
Environment Department
Surface Water Section
P.O. Box 26110
Santa Fe, NM 87502

Dear Mr. Saums:

Clerk's Inits.

This letter is to confirm our telephone conversation of 10/29/91 during which I informed you of a water spill from our property which entered the Red River.

Shortly after midnight on October 29, 1991, one of our employees reported that a holding pond containing water which had been pumped up from the underground mine was overflowing. This overflow water was contained on our property. Pumps were started to pump water from the holding point to a steel tank (reclaim tank) located on the hillside above the mill. At the time, the mill was not in operation. Normally mine water is discharged into sump 5000, a second holding tank which holds water prior to release into the tailings lines. The pumps continued pumping water into the reclaim tank throughout the early morning hours. At 4:30 a.m., a company guard checked the pumps, sump 5000, and the surrounding area and reported everything to be normal.

At approximately 7:15 a.m. on October 29, LeRoy Apodaca of my staff received a telephone call from a second Company employee reporting that water was flowing across the mill yard and into the river through a culvert under the highway. Mill employees were immediately notified of this and the pumps which were pumping water to the reclaim tank were shut off. A second set of pumps began pumping this water to sump 5000. Because the time the water entered the river after 4:30 a.m. is unknown, and the time the flow into the river stopped is also unknown, it is impossible to determine the amount of water which actually entered the river. When the river was inspected by Apodaca at approximately 7:30 a.m., there was a small flow into the river. The river was slightly murky at the entry point. By approximately 9:00 a.m., the flow had completely stopped.

Samples were taken above the point of entry, below the point of entry, approximately 3 miles downstream from the point of entry where the river was just slightly murky, and a sample of the underground mine

water which was pumped to the reclaim tank was also taken. Copy of the analyses is enclosed.

At the time of this spill, the mill was on a scheduled four-day shutdown. Normally underground mine water is discharged into one of the two tailings lines during a shutdown, but the two tailings lines were down for repair and the mine water was being stored in the mill.

The reason the reclaim tank overflowed was because the person who started the pumps failed to open a water line into sump 5000 which would have prevented the tank from overflowing.

The actions taken to prevent a similar occurrence follow:

- 1. If both tailings lines will be down for repair during a mill shutdown, a formal scheduled plant water management meeting will be held before the shutdown.
- 2. The purpose of the meeting shall be to inform all those concerned of any work to be done in the mine, mill and tailings disposal system that may affect the mine-mill water handling systems during the shutdown.
- 3. Several scenarios describing potential trouble with water management shall be presented at each meeting and adequate corrective action will be discussed.
- 4. Schematic drawings of the mill water system will be distributed and posted at strategic locations.
- 5. All piping and valving in the mine-mill water handling system will be clearly identified before the next mill shutdown.
- 6. A trouble shooting and corrective action list on how to prevent any water tank from overflowing has been distributed to all mill personnel involved in mill water handling.

Please call me if I can be of further assistance or if you have any questions.

Very truly yours,

David R. Shoemaker

Mine Manager

Enclosure: Water analyses

cc: E.P.A. Dallas

T. Thomas

RESULTS OF ANALYSIS

MINE WATER SFILL INTO RED RIVER

October 29, 1991

SAMPLE SOURCE I	DATE I	PH	TSS	COD	TOTAL CN	* FE	** MN	* ZN	* MO	MICROMHOS/CM CONDUCTIVITY @25 C
)/29 7 55PM)	7.2	11	12	<.001	0.33	.198	。030	<. 03	300
)/29)OPM)	7.5	61	12	<.001	2.86	.320	.053	.21	316
)/29 7)5PM)	7.4	11	10	<.001	0.39	. 204	.038	∠. 03	300
U.G. MİNE	. / 0.0	, <u>,</u>	1.4.0		/ 001	2 22	1 (7	0 0 5	5 ((2.200
i	.,	7.7	149	<u> </u>	<.001	3.28	1.67	0.35	5.66	2,390
(9:3	30AM)		•							

^{*} TOTAL METALS

ALL UNITS IN PPM EXCEPT PH

LESS THAN SYMBOLS INDICATE DETECTION LIMITS OR NO DETECTION OF THE ANALYTE:

ANALYSIS PERFORMED ACCORDING TO STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE WATER 16th EDITION

^{**} DISSOLVED METALS

CA DA

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

May 22, 1991

LINOCAL 76

Mr. Glen Saums
Surface Water Section
N.M. Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503

Dear Mr. Saladen:

RECEIVED
MAY 2 8 1991

This letter is to inform you that Molycorp, Inc. experienced a tailings line break on May 21, 1991 at approximately 5:30 pm. The spill was caused by a pressure surge in the line causing a water hammer effect which separated a pipe coupling. The break was reported to mill control by Mr. Lee Ortega, a Molycorp employee whose residence is near the spill area. I notified EID by telephone at approximately 9:00 pm.

The tailings line was immediately dumped and tailings line maintenance crews were dispersed to contain the spill. The spill entered an irrigation ditch and approximately 1/4 mile downstream from the break the ditch was bermed and tailings diverted to an emergency sump. Unfortunately, tailings had flowed for approximately one mile further downstream in the irrigation ditch prior to blocking off.

At the terminus of the irrigation ditch, tailings exited the ditch and entered an arroyo which drains into the Red River. Maintenance crews successfully bermed the arroyo approximately 200 feet upstream prior to entering the Red River and prevented discharge to the river. A field investigation to assess the spill area on May 22, 1991, revealed a small feeder ditch off of the main irrigation ditch which had channeled a small amount (estimated approximately 25 gallons) of tailings into the Red River. Upon this discovery at 10:30 am, sampling was initiated on the Red River, which is at flood stage due to rainfall and snow melt.

The tailings spill occupies approximately 1.5 miles of irrigation ditch. Some tailings have spilled onto some private properties via small feeder ditches. Clean-up efforts were started immediately and are continuing. It is estimated that the spill area will be cleaned up within one week.

___1 - Permit/CD _____2 - AO & AO mattl ____3 - DMR's

4 - Vio. Sum. Log

6 - Correspondence

ce: EPA Daillas, IX Date Filed Clerk's Inits.

Sincerely yours,

David R. Shoemaker

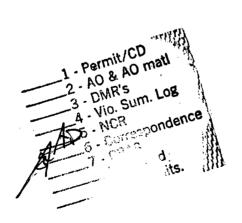
Mine Manager

RECORD OF COMMUNICATION	х	Phone ca	all	Conference	DATE: 10/29/91
COMMUNICATION	Discuss			Other	TIME:afternoon
TO: SAMMY MITZ, 6W-	ET		FROM:	LEROY APODA	ACA, MOLYCORP
FACILITY: MOLYCORP, SUBJECT: SPILL OF			ra 		

Summary of Communication: LEROY CALLED TO REPORT A SPILL OF 'MINE WATER' - GROUND WATER WHICH SEEPS INTO THE MINE AND IS USED IN THE MINING PROCESS. LEROY SAID, HOWEVER, THAT THE MINE WAS NOT OPERATING AT THE TIME OF THE SPILL; THEREFORE, THE SPILLED WATER HAD NOT BEEN USED IN ANY PROCESS. MINE WATER WAS BEING PUMPED TO A HOLDING TANK, WHICH OVERFLOWED. THE SPILLED WATER FLOWED ACROSS THE MOLYCORP PROPERTY INTO A DRAINAGE DITCH AND INTO THE RED RIVER. MOLYCORP WILL FOLLOW UP WITH A WRITTEN REPORT WHICH WILL INCLUDE THE CORRECTIVE ACTION TAKEN.

Conclusions, action taken or required: WAIT FOR WRITTEN REPORT FOR FURTHER EVALUATION.

Information copies to: BEAU SMITH, A.D. TALTON, FILE



Certif Return Receipt # P431 80678



Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL® MOLYCORP



October 3, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of September 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

Mine Manager

David R. Shoemaker

Enclosure: DMR Report

cc: NM ED Program Manager

File

1 - Permit/CD
2 - AO & AO mati
3 - DMR's
4 - Vio. Sum. Log
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL®

MOLYCORP

6W-EA

RECEIVED

APR - 9 1991

March 26, 1991

Mr. Mike Saladen Surface Water Section N.M. Environmental Improvement Division 1190 St. Francis Drive Santa Fe, NM 87503

NM 22306

Dear Mr. Saladen:

Oad

This letter is to inform you that Molycorp, Inc. experienced a tailings break at 2:00 a.m. on March 26, 1991. The spill was caused by the rupture of the No. 2 line at Station No. 36546 (approximately 200 feet below the earthen dump sump and 200 yards above the concrete dump sump). The rupture consisted of a two-inch diameter hole two feet upstream of a coupling, on the bottom of the pipe. Approximately 1000 gallons of tailings spilled from the pipe. The tailings were contained in the trench in which the tailings lines are bedded for approximately 100 yards. The tailings then left the trench and ran into two earthen sumps immediately adjacent to the concrete (lower) sump, and were wholly contained in the immediate vicinity of the sump. No tailings left the sump area. .

The break was discovered and reported by the tailings patrolman. Since the break was so near the emergency sump, the line was immediately discharged into the sump, thereby reducing the pressure on the ruptured line. Clean-up of the spill was begun immediately and should be completed as quickly as it dries.

No tailings got on any Forest Service or other private land.

Very truly yours,

David R. Shoemaker

Mine Manager

DRS:em

cc: S. Mitz/EPA/Dallas

_2 - AO & AO matl _3 - DMR's _4 - Vio. Sum. Log ∑5 - NCR 6 - Correspondence 7 - CRAS _Date Filed

Clerk's Inits.

_1 - Permit/CD

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

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APR 1991	
6W-EA	

NW2306

March 26, 1991

Mr. Mike Saladen Surface Water Section N.M. Environmental Improvement Division 1190 St. Francis Drive Santa Fe, NM 87503

Dear Mr. Saladen:

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Very truly yours, Tanil R. Stranda

David R. Shoemaker

_1 · Permit/CD 2 . AO & AO mat

3 . DMR's

J. CRAS Date Filed Clark's Inits.

DB. NER

4 . Vio. Sum. Log

6 · Correspondence

Mine Manager

DRS:em

S. Mitz/EPA/Dallas

NPDES # PERMITTEE OFFICIAL PHONE	•	INC, QUEST SHOEMAKER,		:	LOCATION STATUS CONTACT ENG/SCIE	QUESTA, N MAJOR CURT SERV NELSON "B	ISS (586-	7614)	,	PERMIT EFF AO/CD PERMIT ENG ORDER PRE-	IN.	JUNE 21, 1 90-1037 DT MARTINEZ APRIL 5, 1	D 8/21/90
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERM!		% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
06/04/90 LTR	06/08/90		1990 AND MAY INSPECTION	17, 1990				FUGATE 06/13/90	A.O IN DRAFT 6/16/90	AD		••••••	<u>**</u>
06/14/90 LTR	06/18/90	ON ONE DA CONTINUOU daily max daily avg	MASS CALCULAT Y FLOW IN OUTF S FLOW IN OUTF 13.1 lbs/da 8.0 lbs/day daily avg 7.	ALL 001 ANI ALL 002:)	<i>:</i>	•	FUGATE 06/25/90	FILED 08/16/90	AD			A.O IN DRAFT WILL COVER
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06/90 DMR	· 07/20/90	002A NO SUMA NO 001 &	VIOLATIONS VIOLATIONS VIOLATIONS VIOLATIONS	HOLD TIL A	.o. IS IS:	SUED)		FUGATE 07/24/90	FILED 08/16/90				A.O IN DRAFT WILL COVER DMR LATE POSTMARKED 8/1/90
04-06/90 DMR(TOXICITY)	08/05/90	TX1A PA	SSED = 0		•			FUGATE 08/14/90	FILED	AD		08/16/90	DMR LATE POSTMARK 8/1/90 A.O IN DRAFT WILL
07/90 DMR	08/21/90		DISCHARGE NGANESE, daav	1.77		1 mg/l	1.8	FUGATE 08/27/90	AO 90-1037 ISSUED		3 - DMR's 4 - Vio. S	AO matl	COVER
							•				5 - NCR 5 - Corres 7 - CRAS _Date Fi _Clerk's		

NPDES # PERMITTEE OFFICIAL PHONE	NM0022306 MOLYCORP DAVID R. (505) 586	INC, QU SHOEMAN	JESTA DIV KER, GEN SUPT	s	TATUS M	NUESTA, NEW NAJOR CURT SERVIS	s (586-7		·	PERMIT EF AO/CD PERMIT EN ORDER PRE		JUNE 21, 1 90-1037 DT MARTINEZ APRIL 5, 1	D 8/21/90
DESCRIPTION/ VIOL. DATE	RECEIVED	OUT FALL	PARAMETER	-REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
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			MANGANESE, damx	1.79	1.5	mg/l	1.2						
	•		MOLYBDENUM, daav	2.36	1	mg/l	2.4						
		SUMA	MOLYBDENUM, damx NO VIOLATIONS	2.54	1.5	mg/l	1.7						
08/21/90 NO 90-1037	08/20/90		-1037 ISSUED 8/21/9 CAUSE AO - REQUESTI		ET-UP	•			FILED	AD		08/28/90	CODED PCS 8/30/90
9/07/90 TR	09/12/90		ROM NMEID (MIKE SAL TR 9/5/90. HE WILL			,		FUGATE 09/20/90	FILED	AD		09/29/90	
9/07/90 Tr	09/13/90	PERFOR	RMANCE EVALUATION R	EPORT				FUGATE 09/20/90	FILED	AD		09/29/90	
09/17/90 .TR	09/18/90		NSE TO AO 90-1037 P DLIATIONS BEING ADD			I FOR		FUGATE 09/20/90	FILED	AD		09/29/90	
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MR ·		002A	MANGANESE, daav	1.67	1	mg/l	1.7	09/29/90					DMR FOR NO DISCHAR
			MOLYBDENUM, daav	2.41	. 1	mg/l	2.4	•				•	
		SUMA	MOLYBDENUM, damx	2.47	2	mg/l	1.2	•					
09/19/90 CLOSURE OF AO		CLOSUF	RE OF AO 88-179		•				FILED	AD		10/01/90	CODED PCS 10/2/90
0/02/90	10/10/90	NONCO	MPLIANCE REPORT					FUGATE	FILED	AD		11/5/90	

NPDES # PERMITTEE OFFICIAL PHONE	NM0022306 MOLYCORP DAVID R. (505) 586	INC, QU SHOEMAI	UESTA DIV KER, GEN SUPT	LOCATION STATUS CONTACT ENG/SCIE	QUESTA, NE MAJOR CURT SERVI NELSON "BE	ss (586-7	(586-7614)			PERMIT EFFECTIVE AO/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		988 D 8/21/90 991	
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09/12/90	09/17/90	PERFO	RMANCE EVALUATION R	EPORT				FUGATE 09/20/90	FILED	AD		11/7/90	RETURN TO ENG 11/7/90
10/90 DMR	11/19/90	001A 002A SUMA	NO DISCHARGE MANGANESE, daav MANGANESE, damx MOLYBDENUM, daav MOLYBDENUM, damx NO VIOLATIONS	1.69 1.75 2.15 2.34	· 2	mg/l mg/l	1.7 0.9 2.2 1.2			· .			
11/21/90 NCR (BYPASS)_	NO DATE	11/20, CAUSEI TO PRI	OMPLIANCE REPORT /90 THERE WAS A TAI D BY A WEAR OF THE EVENT RECURRENCE OF ENCY SUMPS WILL BE	BOTTOM O	F THE PIPE LYING:		ON	FUGATE 12/20/90	INCLUDED IN A	APO 91-1617		1/16/91	

NPDES # PERMITTEE Official Phone		INC, QUESTA DIV SHOEMAKER, GEN SUPT	S1 CC	LOCATION QUESTA, NEW MEXICO STATUS MAJOR CONTACT CURT SERVISS (586-7614) ENG/SCIE NELSON "BEAU" SMITH					PERMIT EFFECTIVE AO/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		JUNE 21, 1988 90-1037 DTD 8/21/90 MARTINEZ APRIL 5, 1991	
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL PARAMETER	REPORTED DATA	PERMIT LIMIT	UNITS	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
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12/03/90 EID SPILL INSP		11/20/90 EID SPILL IN	ISPECTION REPOR	RT			FUGATE 12/20/90	FILED	· AD		1/8/91	COVERED IN AO 91-161
12/06/90 LTR	12/12/90	RESPONSE TO AO 90-103	37				FUGATE 12/20/90	FILED	AD		1/16/91	
11/90 DMR	12/17/90	001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS		•				FILED	AD		1/8/91	
2/90 Mr	01/09/90	001A NO DISCHARGE 002A NOT RPTED SUMA NO VIOLATIONS						WE-10	AD	1/16/91	•	
11/15/91 PO 91-1617		APO 91-1617 ISSUED FO MAINTAIN IT TAILINGS PERMIT LIMITS OF MOLY	PIPELINE & VIC	DLATING	K			FILED	AD		1/16/91	CODED PCS 1/16/91
2/90 MR	01/09/91	002A NO VIOLATIONS						FILED	AD		1/28/91	
01/24/91 .TR	01/27/91	RESPONSE TO APO 91-16 REQUEST A CONFERENCE.		AL AND TO			TEEL 2/4/91	FILE	AD		2/12/91	CODED PCS 2/4/91

NPDES # PERMITTEE OFFICIAL PHONE	NM0022306 MOLYCORP II DAVID R. SI (505) 586-0	HOEMAKER	STA DIV R, GEN SUPT	LOCATION QUESTA, NEW MEXICO STATUS MAJOR CONTACT CURT SERVISS (586-7 ENG/SCIE NELSON "BEAU" SMITH			7614)		PERMIT EFFECTIVE AO/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		JUNE 21, 1988 90-1037 DTD 8/21/90 MARTINEZ APRIL 5, 1991		
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA			% OVER	VRAC: TO ENG/SCI	ACT ION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
09/90 DMR	10/28/90	TX1A F	PASSED = 0		•			••••••	FILED	AD		2/5/91	
01/28/91 LTR	02/04/91 (LTR PROV	/IDING A XEROX C	OPY OF TX1	A DMR FOR S	9/90			FILED	AD		2/4/91	ROUTED TO PCS 2/4/91
02/26/91 CRAS	. (CRAS ROL	JTED TO END REQU	ESTING CLC	OSURE OF AO	90-1037		CRAWFORD 2/26/91 1	ADM CLOSE IN ROUTE(2/28/	AD 91)		3/2/91	
01/91 DMR		002A N	O DISCHARGE O VIOLATIONS O VIOLATIONS			•	•		FILED	AD		3/5/91	
02/28/91 CLOSURE AO 90		CLOSURE	OF AO 90-1037						FILED	AD		3/7/91	CODED PCS 3/7/91
03/12/91 EPA LTR	. 1	EPA LTR	REQUESTING MISS	ING TX1A D	OMR FOR 12/9	? 0			FILED	AD		3/12/91	CODED PCS 3/12/91
02/91 DMR		002A N	NO DISCHARGE NO VIOLATIONS NO VIOLATIONS						. FILED	AD		3/21/91	·
10-12/90 DMR	03/19/91		CHR CERIODAPHNIA		(1)		-		FILED	AD .		3/25/91	
03/22/91	03/26/91	LTR INFO	DRMING NMEID OF	THE COMPLE	ETION & SAME	PLING		CRAWFORD	FILED	AD		4/10/91	

NPDES # PERMITTEE OFFICIAL PHONE	RMITTEE MOLYCORP INC, QUESTA DIV STATUS MAJOR FICIAL DAVID R. SHOEMAKER, GEN SUPT CONTACT CURT SEI ONE (505) 586-0212 ENG/SCIE NELSON				QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	s (586-	7614)		PERMIT EFFECTIVE AO/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		JUNE 21, 1988 90-1037 DTD 8/21/90 MARTINEZ APRIL 5, 1991		
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMI LIMIT		% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
LTR TO NMEID			WELLS WHICH THE TWO TAILINGS SU		UPON LOC	ATED	•	4/2/91					
03/26/91 LTR (NCR)	04/01/91	WHICH W AT STAT 1,000 G THE LIN	NMEID INFORMING AS CAUSED BY TH ION NO. 36546. ALLONS. ACTION E WAS IMMEDIATE ANED UP THE SPI	E RUPTURE OF SPILL AMOUNT TAKEN TO PREV LY DISCHARGE	#2 LINE APPROX /ENT RECU	RRENCE:		MITZ 4/3/91	NO ACTION 4/11/91				
03/15/91 L/S CORRECTION			UMMARY CORRECTI DOES NOT GO INT					RTD TO CSC 3/15/91	ORDER PRE- PRINT DMRS	AD		4/5/91	
04/02/91 AO 91-130		AO 91-1	30 ISSUED FOR N	ON-REPORTING	OF 4/90	SUMA DMR			FILED	AD		4/5/91	CODED PCS 4/5/91
03/26/91 NCR (BYPASS)	04/09/91	MOLYCOR SPILL - CAUSED ACTION TAILING	LIANCE REPORT P INC. ON 3/26/ 1,000 GALLONS BY RUPTURE OF # TAKEN TO PREVEN S CONTAINED IN RE BEDDED	2 LINE @ STAT T RECURRENCE:	;			MITZ 4/10/91	NO ACTION 4/18/91	AD		4/23/91	
04/08/91 BIOMONITORING		BIOMONI	TORING REPORT F	OR FIRST QTR	(3/91)			MARTINEZ/64 4/23/91	P NO ACTION	AD .		7/12/91	COPIED & SENT TO F

NPDES # PERMITTEE OFFICIAL PHONE		INC, QUESTA DIV SHOEMAKER, GEN SUPT	LOCATION STATUS CONTACT ENG/SCIE	QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	s (586-	7614)		PERMIT EFF AO/CD PERMIT ENG ORDER PRE-	iin.	JUNE 21, 1988 90-1037 DTD 8 MARTINEZ APRIL 5, 1991	/21/90
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT REPORTI FALL PARAMETER DATA			% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
04/17/91 LTR W/DMR	04/19/91	LTR EXPLAINING THE DELAY OF SUBI FOR 4/90. (LTR SENT TO FILE & DI AND SENT TO PCS UNIT FOR DATA E	R COPIED	DMR			FILED	AD	·	4/24/91	
03/18/91 LTR W/DMR	03/19/91	RESPONSE TO EPA LTR DTD 3/13/91 MISSING TX1A DMR FOR 12/90 (RCV DMR SENT TO CSC AND BIOMONITORI SENT TO 6W-P	a DESK 4/1	8/91)							
03/91 · MR	04/12/91	TX1A PASSED = 0 001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS				, .	FILED	AD		4/24/91	
04/91 PMR	05/14/91	001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS					FILED	AD		5/30/91	
D5/22/91 NCR (BYPASS)	05/28/91	NONCOMPLIANCE REPORT (BYPASS) MOLYCORP ON 5/21/91 SPILL - 25 GALLONS CAUSED BY PRESSURE SURGE IN THE WATER HAMMER EFFECT WHICH SEPARA COUPLING.				MITZ 6/5/91	FILED	AD ·		6/17/91	

ACTION TAKEN TO PREVENT REURRENCE:

TAILING LINES WAS IMMEDIATELY DUMPED & TAILINGS
LINE MAINTENANCE CREWS WERE DISPERSED TO CONTAIN

NPDES # PERMITTEE OFFICIAL PHONE		INC, QUESTA DIV SHOEMAKER, GEN SUPT	:	STATUS CONTACT	QUESTA, NEI MAJOR CURT SERVI: NELSON "BE	ss (586-	7614)		PERMIT EFF AO/CD PERMIT ENG ORDER PRE-	GIN.	JUNE 21, 1 90-1037 DT MARTINEZ APRIL 5, 1	D 8/21/90
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL PARAMETER	REPORTED DATA	PERMIT	T Units	% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
		THE SPILL.		•	· · · · · · · · · · · · · · · · · · ·	••••••						
05/30/91 LTR	06/04/91	RESPONSE TO EPA LTR D INFORMATION ON THE FO THE FINES THAT WILL B OF VIOLATION(S) & AMO	RMULA AN/OR E E ASSESSED &	PROCEDURE (OF		MITZ 6/6/91	FILED	AD		8/28/91	
06/10/91 AO 91-1080		AO 91-1080 ISSUED FOR ON 5/21/91	BY-PASS OF	TAILINGS				FILED	AD	٠	6/11/91	CODED PCS 6/11/91
06/10/91 APO 91-1617		APO 91-1617 FINAL ISS PAYMENT IN THE AMOUNT		NALTY				FILED	AD		6/11/91	CODED PCS 6/11/91
05/91 DMR	06/13/91	001A NO DISCHARGE 002A NO VIOLATIONS SUMA NO VIOLATIONS						FILED	AD		6/24/91	
06/19/91 AO 91-1080	06/24/91	RESPONSE TO AO 91-108	0		·		MITZ 6/26/91	SCHEDULE AO IN DRAFT (8/15	AD /91)		8/28/91	CODED PCS 6/26/91
06/21/91 APO 91-1617	06/24/91	APO 91-1617 PENALTY P OF \$30,000	AYMENT IN TH	E AMOUNT				FILED	AD		6/26/91	CODED PCS 6/26/91
07/02/91 LTR FROM NMEID	07/08/91	LTR FROM NMEID TO MOL THEM OF THE DISAPPROV REPORTED			1		MITZ 7/12/91	FILED	AD		8/28/91	

NPDES # PERMITTEE OFFICIAL PHONE		INC, QUESTA SHOEMAKER,			LOCATION STATUS CONTACT ENG/SCIE	QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	SS (586-	7614)	-	PERMIT EFFECTIVE AQ/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		JUNE 21, 1988 90-1037 DTD 8/21/90 MARTINEZ APRIL 5, 1991	
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA		PARAMETER	REPORTED DATA			% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- Ator	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
07/11/91 LTR	07/16/91	RECEIVED D	IING EPA THAT DES NOT CONS EIGHTED COMP IE PAST EPA I	IST OF OUTF	ALL 001 002 AND				FILED	AD		7/25/91	
07/18/91 LTR		BIOMONITOR AND THAT T THEY MUST USING EFFL DILUTIONS	SWP) INFORMING IS REQUIOUS HEY HAVE FUL CONDUCT TWO LUENT FROM OUREQUIRED FOR GOT OUTFALL O	RED FOR OUT FILLED PERM MORE QTRLY TFALL 001, THE COMBIN	FALL 002A IT REQUIRE TESTING SAME EFFLU	MENȚS.			FILED	AD	,	7/25/91	
07/03/91 MEMO TO FILE		REFERENCIN	I TO FILE FRO IG BIOMONITOR S THAT THE PE RTRLY TEST US D1	ING REQUIRE	MENTS. T CONDUCT				FILE	AD		7/25/91	
07/19/91 LTR	07/25/91		SES QUESTION 2/91 ON CORR 6/3/91					MITZ 7/27/91	FILED	AD		8/28/91	
06/91 DMR	07/18/91	002A NO	DISCHARGE VIOLATIONS VIOLATIONS	·					FILED	AD		7/29/91	

NPDES # PERMITTEE OFFICIAL PHONE		INC, QUESTA DIV SHOEMAKER, GEN SUPT	S1 C0	OCATION FATUS ONTACT NG/SCIE	QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	s (586-	7614)		PERMIT EFF AO/CD PERMIT ENG ORDER PRE-	iin.	JUNE 21, 1 90-1037 DT MARTINEZ APRIL 5, 1	D 8/21/90
DESCRIPTION/ VIOL. DATE	RECEIVEI 6W-EA	D OUT FALL PARAMETER	REPORTED DATA	PERMI LIMIT		% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
07/29/91 LTR (RPT)	08/06/91	LTR REPORTING THE RESI FOR US-2 WELL (DID NO					MITZ 8/7/91	FILED	AD		8/28/91	
08/14/91 CRAS		CRAS REQUESTING CLOSU		080 (ALL			MITZ 8/14/91	WILL CLOSE 8/19/91	AD		8/28/91	
08/19/91 CLOSE-OUT LTR		CLOSURE OF AO 91-1080						FILED	AD .		8/28/91	CODED PCS 8/28/91
07/91 DMR	08/09/91	002A NO VIOLATIONS SUMA NO VIOLATIONS						FILED	AD .		9/5/91	
08/29/91 AO 91-415		AO 91-415 ISSUED FOR AND PROVIDE COMPLIANCE THE BYPASS (SCHEDULE A	E SCHEDULE FOR		ING .			FILE	AD ·		9/9/91	CODED PCS 9/9/91
09/03/91 LTR	09/05/91	LTR FROM NMEID TO MOL TAILING LINE BROKE & I INTO AN ACEQUIA & ONTO	DISCHARGED MIL	L TAILIN			MITZ 9/11/91	FILE	AD		9/18/91	·
08/91 DMR	09/12/91	002A NO VIOLATIONS SUMA NO VIOLATIONS					·	FILED	AD		9/18/91	
09/12/91 LTR	09/18/91	RESPONSE TO AO 91-415					MITZ 10/1/91	FILE	AD		10/9/91	CODED PCS 10/1/91

NPDES # PERMITTEE OFFICIAL PHONE	IITTEE MOLYCORP INC, QUESTA DIV CIAL DAVID R. SHOEMAKER, GEN SUPT			s C	TATUS ONTACT	QUESTA, NE MAJOR CURT SERVI NELSON "BE	ss (586-	7614)		PERMIT EFFECTIVE AO/CD PERMIT ENGIN. ORDER PRE-PRINT DMR		•	
DESCRIPTION/ VIOL. DATE	RECEIVED	OUT FALL	PARAMETER	REPORTED DATA	PERMI:		% OVER	VRAĆ: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
10/01/91 LTR	10/03/91		M NMEID REFERENC			· · · · · · · · · · · · · · · · · · ·	•	MITZ 10/9/91	FILE	AD	•	10/24/91	
10/02/91 LTR	10/08/91		NMEID RE:SEMI AN MONTH OF SEPTEMB		NG AGREEM	ENT		MITZ 10/9/91	FILE	AD		10/24/91	·
09/91 DMR	10/08/91		NO VIOLATIONS NO VIOLATIONS						FILED	AD		10/17/91	·
10/17/91 LTR	AT DESK 10/24/91	RESPONS	E TÓ AO 91-415					MITZ 10/24/91	FILE	AD		10/31/91	
10/25/91 LTR	10/29/91	INSPECT SPILLED	M NMEID TO MOLYC ION OF THE CLEAN O ONTO THEIR LAND P TAILINGS PIPEL	-UP OF THE DURING THE	TAILING WI 5/21/91	HICH .			FILE	AD		10/31/91	
10/29/91 ROC/NCR		MOLYCOP GROUND	OF COMMUNICATION R CALLED TO REPO WTR WHICH SEEPS MINING PROCES.	RT SMILL OF					FILE	AD		10/31/91	ENG (MITZ) TALK TO THEM 10/29/91 & WROT THIS ROC
11/01/91 NCR (BYPASS)	11/11/91	LTR TO	LIANCE REPORT (B NMEID (SURFACE W NE CONVERSATION SPILL FROM THEI	TR SECT) RE ON 10/29/91	OF			SMITH 11/27/91	DRAFTED WE-3	AD	•	12/3/91	

ENTERED THE RED RIVER

NPDES # PERMITTEE OFFICIAL PHONE		INC, QUEST	TA DIV , GEN SUPT		LOCATION STATUS CONTACT ENG/SCIE	QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	ss (586-	7614)		PERMIT EFF AO/CD PERMIT ENG ORDER PRE	GIN.	JUNE 21, 190 90-1037 DTD MARTINEZ APRIL 5, 190	8/21/90
DESCRIPTION/ VIOL. DATE	RECEIVEC 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMI LIMIT		% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- ATOR	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
11/15/91 LTR	11/20/91	OF OPERAT	RMING EPA THEY FING AN EXPERI ROM TIME TO TI AMOUNTS OF ZI SANT. THEY DO	MENTAL LUBE ME, REQUIRE NC CYNADE C	GRADE CIR S THE USE COMPLEX AS				FILE	AD		11/27/91	
10/91 DMR	11/08/91		O VIOLATIONS O VIOLATIONS		÷				FILED	AD		12/6/91	
11/27/91 LTR	12/05/91	RESPONSE	TO AO 91-415	(PROGRESS R	EPORT #2)			SMITH 12/13/91	FILE	AD		1/7/92	CODED PCS 12/13/91
12/03/91 LTR	12/10/91	REFERING	MEID SUMMARIZI MALFUNCTION O AND 11/27/91	F MILL WTR	SYSTEM ON			SMITH 12/13/91	WE-3 DRAFTED 12/23/91	AD		1/7/92	
12/04/91 LTR	12/10/91	LTR DTD 1	NMEID TO MOLY 11/1/91 ADDRES	SING WRITTE		TION		SMITH 12/13/91	WE-3 DRAFTED 12/23/91	AD		1/7/92	
11/91 DMR	12/10/91		O VIOLATIONS O VIOLATIONS						FILED	AD		1/6/92	
12/16/91 LTR	12/20/91		TO NMED LTR D		REQUESTING	î A		SMITH 1/7/92	FILE	AD		1/13/92	

NPDES # PERMITTEE Official Phone	MM0022306 MOLYCORP DAVID R. (505) 586	INC, QUI SHOEMAKI	ESTA DIV ER, GEN SUPT	STA Con		QUESTA, NEW MAJOR CURT SERVIS NELSON "BEA	s (586-	7614)		PERMIT EFF AG/CD PERMIT ENG ORDER PRE-		JUNE 21, 1988 90-1037 DTD 8 MARTINEZ APRIL 5, 199	3/21/90
DESCRIPTION/ VIOL. DATE	RECEIVED 6W-EA	OUT FALL	PARAMETER	REPORTED DATA	PERMI'		% OVER	VRAC: TO ENG/SCI	ACTION TAKEN	ORIGIN- Ator	ACTION DRAFTED	ACTION COMPLETED	COMMENTS
2/19/91 Tr	12/23/91	RESPONS	SE TO MOLYCORP L	TR DTD 12/16/9	1	· · · · · · · · · · · · · · · · · · ·		SMITH 1/7/92	FILE	AD _.	•	1/13/92	
2/29/91 Tr	01/14/92		PER ARTICLE REFE YBDENUM MINE	RENCING THE FI	LLING			SMITH 1/23/92	FILE	AD	·	1/29/92	
2/91 MR	01/11/92	002A Suma	NO VIOLATIONS						FILED	AD		1/28/92	

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL 76

December 16, 1991

RECEIVED DEC 2 0 1991 6W-EA

Mr. Jim Piatt Bureau Chief Surface Water Quality Bureau State of New Mexico Environment Department 1190 St. Francis Drive Santa Fe, NM 87502

Dear Mr. Piatt:

Molycorp is submitting this letter in response to NMED letter of December 4, 1991, requesting a "modified corrective action report" further addressing the Questa mine water system problems of October 29 and November 26/27, 1991.

The steps to be taken to correct mill water system problems outlined in Molycorp November 1, 1991, letter to NMED were followed by Molycorp security personnel and did correct the overflow problems that occurred the evening and morning of November 26/27, 1991; but unfortunately, the security patrol coverage was not set up to exclusively cover the mill water system on a 24-hour per day basis. order to correct this oversight, a mill employee has been scheduled to be on duty to monitor the system 24 hours per day whenever there is any possibility that the mill water system can overflow. This corrective action step was implemented after the November 26/27 overflow situation and was outlined in our December 3, 1991, letter to NMED.

Your December 4 letter also stated that yard oil or grease may have contaminated the November 26/27 overflow streams. Our inspection the morning of November 27 of the frozen ground along and around the paths of the overflow streams did not show any oil or grease contamina-

Lastly, we are currently using the 17th edition of Standard Methods for the Examination of Water and Wastewater.

If you should have any further questions, please phone me at 1. Permit/CD matl 586-7601.

2 - AO & AO mati

3 - DMR's 4 - Vio. Sum. Log

5.NCR 6 - Correspondence

. CRAS Date Filed Clerk's Inits. Very truly yours,

David R. Shoemaker

Mine Manager

CC: B. Smith, EPA/Dallas



State of New Mexico

ENVIRONMENT DEPARTMENT

JUDITH M. ESPINOSA SECRETARY

RON CURRY
DEPUTY SECRETARY







December 19, 1991

Mr. David Shoemaker Mine Manager Molycorp, Inc. P.O. Box 469 Questa, New Mexico 87566

Re: October 29, 1991 Spill - Modified Corrective Action Report November 26, 1991 Spill - Corrective Action Report

Dear Mr. Shoemaker:

The Environment Department is in receipt of Molycorp's December 16, 1991 letter addressing the mine water system problems. Since both referenced spills occurred from the same site and corrective actions taken are intended to be mutually effective, we will consolidate our response for both reports.

Pursuant to New Mexico Water Quality Control Commission regulation 1-203.A.7., your modified corrective action report for the October spill and the corrective action report for the November spill are both hereby approved.

To summarize, in addition to the measures outlined in your November 1, letter to Glenn Saums, you have increased system monitoring to 24 hours per day whenever there is any possibility that the mill water system can overflow.

Thank you for your prompt response in this matter. If you have any questions, please contact Glenn Saums of my staff at 827-2827.

1 - Permit/CD
2 · AO & AO matl
2 · AO SAO matl
3 · DMR's
4 · Vio. Sum. Log
5 · NCR
Correspondence
7 · CRAS
Date Filed
Clerk's Inits.



Mr. David Shoemaker December 19, 1991 Page 2

Sincerely,

Im late

Jim Piatt Chief Surface Water Quality Bureau

cc: B. Smith, USEPA Region 6 Enforcement Branch (6W-ET)
Rip Harwood, NMED-OGC
Kathleen M. Sisneros, Director, NMED-W&WMD
Richard Mitzelfelt, NMED-District II Office
Ken McCallum, NMED-Taos Field Office
Steve Cary, NMED-GWP&RB
Jake Ortega, Concerned Citizen

Molycorp, Inc.

Questa Division P.O. Box 469

Questa, New Mexico 87556

Telephone: (505) 586-0212

UNIONMOLYCORP

RECEIVED
DEC 10 1991
6W-EA

December 5, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of November 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

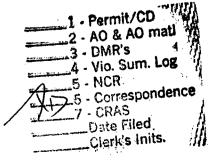
David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM ED Program Manager

File



Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL

MOI YCORP

November 27, 1991

MECEIVED DEC - 5 1991 6W-EA



U.S. Environmental Protection Agency Region' 6 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

Mr. Myron O. Knudson, P.E. Attention:

Director, Water Management Division (6W)

Administrative Order Docket No. VI-91-415 Re:

NPDES Permit No. NM 0022306

Dear Sir:

Submitted herewith is Progress Report 2 as required in the referenced Administrative Order.

Pipe Installation

As of October 15, No. 1 and 2 tails lines have been upgraded with No. 3 line rubber-lined pipe to Station 38,800'. This includes installation of tie-down structures, expansion joints and instrumentation hardware. The two line system was tested and put into operation on October 16, 1991.

Upgrading of lines 1 and 2 between Stations 40,000' and 44,600' has started and is on schedule.

Instrumentation

Expanded instrumentation has been installed and is being tested. The system will be operational by January 2, 1992.

Should you have any further questions or require further information, please call the writer at (505) 586-7601.

-	1 - Permit/CD 2 - AO & AO matu 3 - DMR's 4 - Vio. Sum. Log 5 - NCR 6 - Correspondence 7 - CRAS
:c:	Date Filed Clerk's Inits. Roger K. Ferland Timothy R. Thomas

Sincerely yours,

David R. Shoemaker
Mine Manager AND THOM STORM SNOON STAN

31 DEC -5 BH 3: 18

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

Certified RRR No. P 473-901-803

UNOCAL®



MOLYCORP

November 15, 1991

Mr. Beau Smith U.S. Environmental Protection Agency Region 6 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202-2733

KO

RE: NPDES Permit No. NM 0022306

Dear Mr. Smith:

We are in the process of operating an experimental lube grade circuit which, from time to time, requires the use of small amounts of a zinc cyanide complex as a depressant. Because of the amount and the infrequent use, we do not foresee any problems with our discharge limitations. This does not appear to be reportable, but we want to keep you informed.

Very truly yours

David R. Shoemaker

In.

PATE WE LEADE IN

Mine Manager

cc: T. Thomas

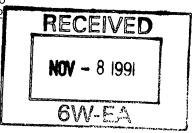
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Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556

Telephone: (505) 586-0212

UNOCAL MOLYCORP





November 6, 1991

Enforcement Branch (6W-E) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of October 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report cc: NM ED Program Manager File

> 1 - Permit/CD 2 - AO & AO mat 3 - DMR's 4 - Vio. Sum. Log 5 - NCR 5 - Correspondence 7 - CRAS _Date Filed Clerk's Inits.

ENVIRONMENTAL WATER ANALYSIS HANDBOOK

MOLYCORP, INC.

QUESTA DIVISION

By: John Stribling May - 1984

COLORIMETRIC DETERMINATION OF MOLYBDENUM

I. Scope and Application:

This method is applicable to drinking and surface waters and industrial and domestic wastes. Molybdenum may also be analyzed on ore samples with the proper acid decomposition.

This determination should be performed on all weekly, monthly and quarterly samples.

II. Apparatus:

1. <u>Spectrophotometer</u>: Any spectrophotometer will do as long as the wavelengths of 468 and 520 Nm (visible range) may be used.

Beckman models 24 and 34 are available in this laboratory. Before using, allow a warm-up time of 15 minutes. Keep instrument and especially sample compartment clean and free from all dust, solvents or reagents.

2. <u>Cells</u>: Cells used in this determination are matched and should be kept in pairs. Unmatched pairs of cells used together might give erroneous results. Cells should be kept clean and free from scratches and fingerprints.

III. Sample Handling and Preservation:

Volume required: 50 mls

Container: Plastic, glass

Preservative: 5 mls HNO₃ Holding Time: 6 hours

Before using or inserting into cell holder, make sure cells are dry. Cells should always be rinsed with deionized water between analyses. Always rinse cells with a small amount of the sample to be used before filling cell.

IV. Reagents:

- 1. 1000 ppm Mo standard solution: Dissolve 1.500 gm of pure molybdenum trioxide (MoO₃) in a minimum amount of 50% ammonium hydroxide and dilute to one liter with deionozed water.
- 2. 1 ppm stock solution: Dilute 1 ml. standard solution to one liter with deionized water.

Reagents cont .:

Working standards:

- a. The following standards should be used when using the wavelengths 468: 0.03, 0.05, 0.07, 01., 0.2, 0.3 and 0.5 ppm.
- b. The following standards should be used when using the wavelengths 520: 0.5, 1.0, 2.0 and 2.5 ppm.
- 4. Ferric chloride solution: Dissolve 35 gms of ferric ammonium sulfate in a 6 lb. bottle of concentrated hydrochloric acid.
- 5. Butyl Carbitol: Diethylene glycol mono-butyl either.
- 6. Thiocyanate Solution: 10% KCNS in distilled H20.
- 7. Stannous chloride solution: Add 112 gms SnCl₂·2H₂O to 100 ml concnetrated HCL. Heat mixture until all stannous chloride is dissolved and solution is clear. Dilute to one liter with water.

V. Procedure:

- 1. Prepare the sample as follows:
 - a. Use 50 mls digested sampel from the 100 ml sample prepared for atomic absorption.
 - b. Transfer 50 mls of the digested sample into a 100 ml volumetric flask.
 - c. Color development: Add the following reagents:
 - 1. 10 ml of ferric chloride solution
 - 2. 20 ml butyl carbitol mix well
 - 3. 10 ml potassium thiocyanate KCNS mix well for \(\frac{1}{2} \) min.
 - 4. 7 ml of stannous chloride SnCl2 mix well.
 - d. Dilute to 100 ml with distilled water and shake well.
 - e. Allow to stand for 30 minutes.
 - f. Read percent absorbance at 468 or 520 Nm. Use 468 for concentrations of 0.03 0.5 ppm. For concentrations of 0.5 2.5 ppm use a 520 Nm wavelength.
 - g. Prepare a calibration curve by transferring standards into a 100 ml volumetric flask. Proceed to step C for color development.
 - h. Prepare a blank by preparing a solution of reagents and deionized water. No molybdenum.

Procedure cont .:

2. Instrument operation:

- a. Turn machine on by depressing the POWER push button. Allow 30 minutes for warm up.
- b. For operation in the visible range (340 to 700 Nm). Place the source selector in the VISIBLE position.
- c. Place mode in DB position.
- d. Rotate wavelength adjust knob until desired wavelength is indicated by WAVELENGTH indicator.
- e. Place slit program selector in NORMAL position.
- f. Fill reference and sample cells with blank.
- g. Seat cells in proper cell holders in sample compartment.
- h. Close sample compartment cover.
- i. Depress ABS push button.
- j. Adjust BASELINE ADJUST control until digital display reads zero (0.000).
- k. Discard blank solution in sample cell. Leave reference cell in place.
- 1. Rinse cell with sample, discard rinsate. Refill cell with sample and replace cell in cell holder, seating cell in the same orientation as the preceding step when zero absorbance was established. Fingerprints should be wiped off outside of cell.
- m. Close sample compartment cover.
- n. Read absorbance value on digital display.

VI. Quality Control

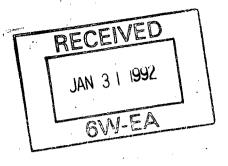
- 1. A quality control performance sample should be run on a quarterly basis.
- 2. In 10% of the samples run, duplicate analyses should be performed.

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone (505) 586-0212



MOLYCORP

January 28, 1992



Mr. Nelson Smith Environmental Engineer U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

EPA January 14, 1992, Inspection

NPDES Permit No. NM0022306

Dear Mr. Smith:

Attached is a memo from Fred Martinez on the Corrective Actions taken to correct the January 14 deficiencies. Also attached is the Notice of Deficiency and the last three flow meter calibrations for 002. If you have any questions, please call me at (505) 586-7601.

Sincerely,

David R. Shoemaker

Mine Manager

DRS:em

Attachments

cc: T. Thomas

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MOLYCORP

January 27, 1992

TO : David R. Shoemaker

FROM: Fred Martinez

EPA INSPECTION OF QUESTA ENVIRONMENTAL LABORATORY JANUARY 14, 1992

Attached to this memo are the Corrective Actions taken to correct noted deficiencies of EPA inspection of January 14, 1992. Corrective Actions taken should insure full compliance with our NPDES Permit.

MOLYCORP, INC. QUESTA DIVISION

NOTED DEFICIENCIES

INSPECTOR NOTED THAT PH MEASUREMENTS WERE NOT IMMEDIATELY ANALYZED OR WITHIN AT LEAST 15 MINUTES OF SAMPLE COLLECTION. GRAB SAMPLE AS PERMIT REQUIRES WERE NOT USED FOR THE PH ANALYSES RATHER THE COMPOSITE SAMPLE WAS USED FOR ANALYSES.

CORRECTIVE ACTION: PH READINGS WILL BE CONDUCTED ON SITE ON GRAB SAMPLE AS PERMIT REQUIRES, OR BRING SAMPLE TO LABORATORY AND ANALYZE WITHIN 15 MINUTES OF SAMPLE COLLECTION.WHEN FIELD MEASUREMENTS ARE PERFORMED PH METER WILL BE CALIBRATED ON SITE.

INSPECTOR NOTED THAT COMPOSITE SAMPLES WERE NOT FLOW PROPORTION ACCORDING TO FLOW METER READING OR STICK MEASUREMENTS.

CORRECTIVE ACTIONS: COMPOSITE SAMPLES WILL BE FLOW PROPORTION BY TAKING FLOW METER READINGS AT TIME OF COLLECTION. FLOW METER READINGS ARE IN GPM AND WILL BE CONVERTED TO (mL) AND COMPOSITE SAMPLE WILL PREPARED USING A GRADUATED CYLINDER.

INSPECTOR NOTED DURING SIMULATION OF ACTUAL ANALYSES FOR TOTAL SUSPENDED SOLIDS ANALYST DID NOT PRERINSE FILTER ACCORDING TO ACCEPTED METHOD OF ANALYSES.

CORRECTIVE ACTION: WILL COMPLETELY ADHERE TO METHOD OF ANALYSES. 2540 D STANDARD METHOD FOR THE EXAMINATION, OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED ANALYST WAS NOT PRE DISTILLING SAMPLES FOR THE DETERMINATION OF FLUORIDE NOR HAD THE NECESSARY EQUIPMENT TO PERFORM DISTILLATIONS.

CORRECTIVE ACTION: DISTILLATION APPARATUS HAS BEEN ORDERED AND ANALYSES WILL BE PERFORMED ACCORDING TO METHOD 4500 F B STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED THAT SAMPLE DIGESTIONS FOR TOTAL METAL ANALYSES WERE BEING DIGESTED WITH NITRIC ACID ONLY AND NOT USING A LESS VIGOROUS DIGESTION METHOD OF NITRIC AND HYDROCHLORIC ACID AS STATED IN SECTION 4.1.4 METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES 1979 AND 1983.

CORRECTIVE ACTION: WILL DIGEST SAMPLES ACCORDING TO METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTE SECTION 4.1.4 1979 AND 1983 AND METHOD 3111 B. STANDARD METHOD FOR THE EXAMINATION OF WATER AND WASTE WATER 17TH EDITION.

INSPECTOR NOTED PH METER TWO POINT CALIBRATIONS DID NOT BRACKET EXPECTED SAMPLE READINGS.

CORRECTIVE ACTION: WILL PERFORM REQUIRED POINTS OF CALIBRATIONS TO BRACKET READING OF SAMPLE.

INSPECTOR NOTED MOLYBDENUM CONCENTRATIONS WERE NOT BEING CALCULATED BY RESULTS OF STANDARD ANALYSES. ANALYST WAS USING A CALIBRATION FACTOR THAT WAS DATED, BUT RAW DATA OF CALIBRATION CURVE WAS NOT AVAILABLE.

CORRECTIVE ACTION; CALIBRATION STANDARDS WILL BE PREPARED AT ACTUAL TIME OF ANALYSIS AND RESULTS OF CALIBRATION STANDARDS WILL BE USED TO CALCULATE MOLYBDENUM CONCENTRATION.

JAN 92

002 Flow Conversion Chart 10 INCH Palmer-Bowlus Flume

 $Q = 2.96 \text{ H}^{1.9} \text{ Ft}^{3}/\text{SEC H} = \text{Head in feet}$ $Q = 2.96*(\text{H*Reading}/12)^{1.9}*(60\text{sec/min})*(Gals/.1337\text{Ft}^{3})$

<u>Inches</u>	Tenth of Inch	<u>GPM</u>			
1.0	.083	20.0			
1.5	.125	25.6		•	
2.0	.167	44.3			
2.5	.208	65.7			•
3.0	.250	96.4			
3.5	.292	133.5			
4.0	.333	164.4			
4.5	. 375	206.0			
5.0	.417	248.6		•	
5.5	. 458	287.9			
6.0	. 500	354.0			
6.5	. 542	426.9			
7.0	. 583	476.5			
7.5	. 625	543.9			
8.0	. 667	615.4			
8.5	. 708	676.8			
9.0	.750	767.4			
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Mr. Jake A. Ortega October 1, 1991 Page 2

If you have any questions, please contact Mr. Glenn Saums at 827-2827.

Sincerely,

Sim Far

Jim Piatt Chief Surface Water Quality Bureau

xc:

Rip Harwood, Esq., NMED Office of General Council Richard Mitzelfelt, NMED District II Office Ken McCallum, NMED Taos Field Office Sammy Mitz, USEPA (6W-ET)



BRUCE KING

State of New Mexico

ENVIRONMENT DEPARTMENT

Harold Runnels Building 1190 St. Francis Drive, P.O. Box 26110 Santa Fe. New Mexico 87502 (505) 827-2850

AUDITH M. ESPINOSA

RON CURRY

Certified Mail Return Receipt Requested

October 25, 1991

Mr. Jake A. Ortega P.O. Box 382 Questa, New Mexico 87556 Luc Soo

RECEIVED

OCT 2 9 1991

6W-EA

Dear Mr. Ortega:

On October 24, 1991 Glenn Saums, Peter Monahan and I met with you at your property to inspect the clean-up of the tailings which spilled onto your land during the May 21, 1991 Molycorp tailings clean-up of the tailings our inspection we determined that your complete. Since the conditions of my October 1, 1991 letter to clean-up of your property. I wish to thank you for your attention to this problem.

During the inspection you expressed concern regarding the degraded quality of the Red River. In our discussion I mentioned the impairment of the designated uses for the River had been reported to Congress in the State's biennial report entitled Water Quality and Water Pollution Control in New Mexico 1990. The same concerns were also noted in the 1986 and 1988 versions of the same report. I have enclosed a copy of the 1990 report for your Information and direct your attention to page 210, Appendix B, Table 2 for the specific notes on the Red River.

I appreciate the opportunity to meet with you and to discuss your my staff at 827-2827.

Sincerely,

Im Poste

Jim Piatt Chief Surface Water Quality Bureau

xc:

Rip Harwood, Esq., NMED Office of General Council Richard Mitzelfelt, NMED District II Office Ken McCallum, NMED Tacs Field Office Sammy Mitz, USEPA (6W-ET)
David Shoemaker, Molycorp Inc.

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL®

MOLYCORP

SEP 12 1991
6W-EA



September 9, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of August 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM ED Program Manager

File

1. Permit/CD
2. AO & AO matl
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5. NCR
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7. CRAS
Date Filed
Clerk's Inits.



State of New Mexico

ENVIRONMENT DEPARTMENT

Haroid Runnels Building 1190 St. Francis Drive, P.O. Box 26110 Santa Fe. New Mexico 87502 (505) 827-2850

NW5530%

JUDITH M. ESPINOSA · · · RETARY

> RON CURRY DEPUTY SECRETARY

BRUCE KING CONTRINGE

Certified Mail Return Receipt Requested

October 1, 1991

Mr. Jake A. Ortega P.O. Box 382 Questa, New Mexico 87556

Dear Mr. Ortega:

five days.

On September 3, 1991 the Environment Department wrote to you stating the need for you to resolve the matter of cleaning up the spilled Molycorp tailings on your property. The Department gave you fourteen days from your receipt of the letter as a deadline. Since that time we have received a copy of your letter dated September 24, 1991 to Mr. David Shoemaker, Mine Manager for Molycorp, Inc. In your letter you stated that you would begin clean-up of the tailings no later than this week. You further: stated that you expect to complete the clean-up in about four to

The Department will not pursue this matter provided the clean-up proves to be satisfactory to the Department. While we do not expect this to be a problem, the following minimum conditions must be met prior to relieving you of responsibility for the tailings disposition.

- removed tailings must be properly disposed;
- the Department must be notified verbally or in 2. writing when the clean-up is complete:
- the Department must be allowed access to inspect the clean-up; and
- the clean-up must be completed by October 15, 1991.

Molycorp has committed to take actions which will hopefully reduce, if not eliminate, the future occurrence of discharges such as the one which has effected your property. However, as a precautionary measure, the Department suggests you consider developing an agreement with Molycorp outlining procedures to expeditiously clean-up any future discharge. Such an agreement could help avoid the complications which have arisen in this case.

1 - Permit/CD 2 - AO & AO matl 3 - DMR's 4 - Vio. Sum. Log 5 - NCR 26 - Correspondence 7 - CRAS Date Filed Clerk's Inits.



Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL 16

MOLYCORPoctober 2, 1991

Mr. Ernie Rebuck Ground Water Section New Mexico Environmental Department 1190 St. Francis Drive Santa Fe, NM 87503

RECEIVED

Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM ED agreed upon located in the two tailings sump areas have been sampled in September 1991 as per the semi-annual sampling agreement. All wells were sampled except for US-2 which did not have enough water for sampling. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards. The following summarizes the monitoring well results:

		Upper	Sump	Area	•	
Well	Depth (ft.)	рН	TDS	SO ₄	Мо	•
US-1 US-2 US-3	38 28.5 27	6.5 Not 9 6.6	127 Sample 127	ed Be	<.03 cause <.03	No Water
		Lower	Sump	Area		
Well	Depth (ft.)	рH	TDS	SO ₄	Мо	
LS-1 LS-2 LS-3	58 25.75 20	6.5 6.4 6.2	354 343 304	181	<.03 <.03 <.03	

Should you have any questions please give me a call at (505) 586-7601.

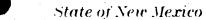
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5 - NCR 5 - NCR 6 - Correspondence 7 - CRAS Date Filed Clerk's Inits.	

Sincerely yours,

David R. Shoemaker

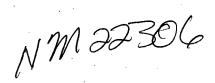
Mine Manager





ENVIRONMENT DEPARTMENT

Harold Runnels Building 1190 St. Francis Drive, P.O. Box 26110 Santa Fe, New Mexico 87502 (505) 827-2850



JUDITH M. ESPINOSA SECRETARY

RON CURRY
- DEPUTY SECRETARY

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Mr. Jake A. Ortega	4 - Vio. Sum. Log 5 - NCR	
P.O. Box 382		
Questa, New Mexico 87556	6 - Correspondence	
	7 - CRAS	
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Dear Mr. Ortega:	DD S Clerk's Inits.	<i>;</i>

On May 21 of this year a tailings line serving the Molycorp mill broke and discharged mill tailings into an acequia and onto adjacent land including land which you either own or control. The New Mexico Environment Department has held Molycorp Inc. responsible for prompt clean-up of the tailings and required them to mitigate any damage which resulted from the discharge. The Department has kept close track of Molycorp's efforts to clean-up and to properly dispose of the tailings.

You have denied Molycorp access to your property. In so doing you have prevented the expeditious completion of Molycorp's clean-up effort. The Department is aware of Molycorp's efforts to reach an agreement to gain access to your property and perform the necessary cleaning/restoration.

The Department had hoped you and Molycorp officials would be able to come to agreement in order to finalize the tailings clean-up. It is now more than three months since the discharge occurred and the only impacted area which remains to be taken care of is your property.

This letter is to advise you that the Department will consider you to have adopted the material remaining on your land and will hold you responsible for the complete clean-up and/or proper disposition of this material if you do not resolve this matter with Molycorp within 14 days of your receipt of this letter.

If you allow tailings to remain on your property, you will be required under Section 1-201 of the New Mexico Water Quality Control Commission (WQCC) Regulations (copy enclosed) to file a notice of intent to discharge since tailings application to the soil would be considered a potential discharge to the ground water. If you remove the tailings, a notice of intent to discharge would have to be filed for the disposal site if it were to be disposed some place other than the Molycorp tailings disposal site. The Department would then evaluate the information in the notice and determine if you would be required to obtain a ground water discharge plan pursuant to Part 3 of the WQCC Regulations. Failure to comply with these requirements could result in legal liability including monetary fines.

Mr. Jake A. Ortega September 3, 1991 Page Two

In closing, I encourage you to address this matter promptly. By copy of this letter I am referring this case to the Department's Office of General Counsel for their action if it becomes necessary. If you have any questions on this matter feel free to call Mr. Glenn Saums of my staff at 827-2933.

Sincerely,

Jim Piatt

Chief

Surface Water Quality Bureau

Enclosure

xc: David Shoemaker, Mine Manager; Molycorp

Rip Harwood, Esq., NMED Office of General Counsel

Sammy Mitz, USEPA (6W-ET)

Richard Mitzelfelt, NMED District II

Kenneth McCallum, NMED, Taos Field Office

Steve Cary, NMED, Ground Water/Toxic Sites Bureau

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556

Telephone: (505) 586-0212



MOLYCORP





August 7, 1991

Enforcement Branch (6W-E) U.S. Environmental Protection Agency 1445 Ross Avenue 75202-2733 Dallas, TX

Dear Sirs:

Enclosed are DMR forms for the month of July 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM ED Program Manager

File

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Clerk's Inits. - /////

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469

Questa, New Mexico 87556

Telephone: (505) 586-0212

UNOCAL 76

MOLYCORP

AUG - 6 1991

July @9W F991

Mr. Ernie Rebuck Ground Water Section New Mexico Environmental Department 1190 St. Francis Drive Santa Fe, NM 87503

Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM ED agreed upon located in the two tailings sump areas have been sampled in July 1991. All wells were sampled except for US-2 which did not have enough water for sampling. The ground water table must have lowered significantly for this well had an estimated 30 G.P.M. flow when it was drilled in March 1991. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards. The following summarizes the monitoring well results:

Upper Sump Area

Well	Depth (ft.)	рН	TDS	SO ₄	Mo	
US-1	38	6.9	163	38	<.03	
US-2	28.5	Not	Sampl	ed Be	cause	No Water
บร-3	27	7.0	159	43	<.03	1 Permit/CU
053	21	7.0	133	73	1.05	2 - AO & AO mati
		Lower	Sump	Area		3 - DMR's 4 - Vio. Sum. Log
Well	Depth (ft.)	рН	TDS	SO ₄	Мо	5 - NCR 6 - Correspondence
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LS-2	25.75	6.5	331	198	< .03	Clerk's Inits.
LS-3	20	6.4	326		<.03	Clerk's three y strike
по-2	ZU	0.4	320	14/	\. U3	

Should you have any questions please give me a call at (505) 586-7601.

Sincerely yours,

David R. Shoemaker

Mine Manager

cc: EPA Dallas, TX



RESULTS OF ANALYSES

SAMPLE#	SAMPLE TYPE	DATE/TIME Collected	PH UNITS	МО	TDS	so ₄
US-1	WATER	7/18/91 4:00	PM 6.9	<.03	163	38
US-3	WATER	7/18/91 3:40	PM 7.0	<.03	159	43
LS-1	WATER	7/18/91 1:15	PM 6.6	<.03	394	161
LS-2	WATER	7/18/91 2:26	PM 6.5	<. 03	331	198
LS-3	WATER	7/18/91 2:10	PM 6.4	<. 03	326	147

RESULTS OF ANALYSIS IN PPM EXCEPT WHERE NOTED

LESS THAN SYMBOLS INDICATES DETECTION LIMITS OR NO PRESENCE OF THE ANALYTE:

To Bulley Co	Date 7/23/9/
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Building/Room	E 1
☐ For Your Attention	☐ For Your Recommendation
For Your Information	☐ For Your Approval
☐ Please Comment	☐ Please Return
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MOLYCORP JUL 2 5 1991

July 19, 19.91

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SUPPACE WATER QUALITY BUREAU

Mr. Jim Piatt
Bureau Chief
Surface Water Quality Bureau
State of New Mexico
Environment Department
1190 St. Francis Drive
Santa Fe, NM 87502

Dear Mr. Piatt:

The following letter addresses questions asked in State of New Mexico Environment Department's letter of July 2, 1991, and clarified by your Glenn Saums during his July 10, 1991, visit to our Questa facility. Questions pertain to Molycorp's Corrective Action/Spill Report of June 3, 1991.

Paragraph 1.0 Questions:

Results of NM State Police Investigation: No evidence proving or disproving the supposition that the system was tampered with. State Police report will be forwarded to your office as soon as Molycorp obtains a copy.

Results of Molycorp Investigation: Same as above.

Unique Spill: Is not a normal failure mode in that pipe restraint was totally destroyed.

Preventing Recurrence: See Molycorp June, 19, 1991, letter to EPA's Adolphus Talton under "Corrective Action", Item 1. Letter attached.

Paragraph 2.0 Questions:

Other Line Dumping Possibilities: Shift foreman, after initiating line dumping procedures, dumped upper portion of line into upper dump sump SW 1/4, Sec. 2.

Other Feasible Modifications: Upper and lower dump sumps adequate, but geography and property restraints make other large sumps impractical.

Mr. Jim Piatt



Paragraph 3.0 Question:

Tails Chemical Analysis: Guadalupe Tailings EIS most recent analysis of total chemical constituency.

Paragraph 4.0 Questions:

Jake Ortega Property: Permission not granted as of this date. Copy of certified letter mailed to Jake Ortega enclosed along with proof of receipt.

Tails Cleanup Standard of Performance: Visual inspection after removal of all tails sand as is practical; i.e., don't destroy major vegetation in order to remove small amounts of material.

Other Corrective Actions: See Molycorp June 19, 1991, letter to EPA's Adolphus Talton under "Corrective Action", Items 2, 3, 4, 5, 6,

Should you have any further questions or require further information, please call the writer at (505) 586-7601.

Sincerely yours,

and h) David R. Shoemaker

Mine Manager

Enclosures

6/19/91 to EPA

6/14/91 to J. Ortega 2.

Cc: T. Thomas, w/atts

R. Ferland, w/atts

Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 875 Telephone: (505) 586-0212

UNDCALB

MOLYCORP

RECEVED JUL 25 1991 6W-EA

June 19, 1991

CERTIFIED MAIL

Mr. Adolphus Talton 11W-EAT) U.S. Environmental Protection Agency Region 6 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

RE: Administrative Order Docket No. VI-91-1080
NPDES Permit No. NM 0022306

Dear Sir:

Pursuant to Paragraph A of the above-captioned Order, Molycorp, Inc., hereby submits a letter detailing the corrective action to be taken to reduce the possibility of allegedly non-complying discharges due to tails line breaks or leaks as ordered in the referenced Administrative Order.

Tails Line Operating Background:

Tails are hydraulically transported from the mill to the Questa tails disposal area through a 44,600 foot long pipeline system.

Since the 1965 mill stant-up, numerous changes have been made to the initial two 10-inch, unlined pipeline-system to enable the system to better cope with the mechanical problems encountered as mill throughput has been increased. Increasing line throughput without increasing system size increases the line velocity, which increases unlined pipe wall wear exponentially. Conversely, too low a line velocity means line sanding and/or plugging.

Presently there is a three line system, the first 28,500 feet consists of 14-inch, rubber-lined pipe and the remaining 16,100 feet of the system is made up of 12-inch, unlined pipe. The rubber-lined portion of this system is very wear resistant, but matching it hydraulically to the unlined section has been operationally difficult. Depending on the mill tonnage rate, it is possible to drop below the critical or sanding line velocity in the rubber-lined pipe while staying above this critical velocity in the unlined pipe. For this reason, the three line system is currently being operated with two

lines handling the bull of the tails and the thir line being used as a cleanup line for removal of tails that accumulate in the large mill surge sump. Operation of the No. 1 line on May 21, 1991, in this manner could have created a temporary sand plug that, with the accompanying pressure surge, separated the line at a sleeve type coupling. However, tampering with the line by outside parties hasn't been completely ruled out as a potential cause of the break.

At higher mill tonnage rates, when operating with the two line concept, line velocities in the unlined portion of the system increase dramatically. This increase in line velocity has accelerated the pipe wall wear rate substantially when compared to pre-1983 wear rates.

The following program has been initiated in an Mattempt to nate line failures. It should be to be a superior of the should be to be a superior of the should be to be a superior of the should be to be a superior of the should be to be a superior of the su eliminate line failures. It should be noted that parts of this program were in place or being evaluated prior to May 21, 1991 NThe technology being used is the best available for this use.

- Operate a two line system only with cleanup of residual sand from the main mill surge sump being handled by the same two lines through existing interconnecting valving between the main surge sump and individual tails line pump sumps; and/or with a submersible pump installed in the main sump to pump slurry to the pump sumps. operating parameters will make it easier to control line density and eliminate air surges in the pipelines.
- 2. Remove the rubber-lined section from the third line and install it in the two remaining lines. This would extend rubber-lined protection to a point safely inside the tails disposal area. Depending on future milling requirements, the third line could be reinstalled at a later date, but the line would be 100% rubber-lined. The rubberlined pipe addition would eliminate the sleeve-type Dresser coupling which doesn't have a positive engaging mechanism like the Victaulic groove couplings used on the 14-inch rubber-line pipe. Although Dresser type couplings will be used for expansion joints they will have 16-inch long sleeves as compared to the 7-inch long sleeves used on the 12-inch unlined pipe. Restraining brackets are used in conjunction with the sleeve couplings to restrict outward or pull-apart forces on the joints. Additional pipeline restraints will also be installed as the rubber-lined pipe is laid down in the remaining two lines.
- 3. Add two additional pressure measurement stations, for a total of three in each tails line, and dedicate a CRT solely to monitor and view the tails line operating functions and parameters. This will increase the speed at which mill operators react to line problems.
- Continue gauging wall thickness on any unlined pipe until all unlined pipe is removed from the system to the 44,600 feet station.
- Add seven more watchman checkpoints to the existing seven along the complete tails line right-of-way.
- Continue 24-hour tails patrol coverage when tails are in the lines.
 - Train operators on main surge sump emptying procedures.

Time Schedule:

ITEM

. Two tails line operation only

1.A. Install submersible pump in main sump

Install third line, rubber-lined pipe in two lines:

a. Station 28,500' to 38,800'
b. Station 38,800' to 40,000'
c. Station 40,000' to 44,600'

3. Expand instrumentation

a. Installationb. Testc. Operational

4. Unlined pipe gauging

5. Add watchman checkpoints

6. 24-hour patrol coverage

7. Operator training

COMPLETION DATE

Existing

Existing 2519

GVN-EA

10-15-91

Existing 3-15-92

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10-1-91

12-1-91

1-2-92

Existing

Existing

Existing

Existing

Concluding Remarks:

Extent of the tails spill, cleanup and chemical analysis of tailings are covered in Molycorp letter to NM EID, dated June 3, 1991 (not attached).

In summary, tails were 98% removed from the irrigation ditch that contained the bulk of the spill and water reintroduced back into the ditch by the evening of June 2, 1991. Final property and ditch cleanup was essentially completed by June 6, 1991, except for one property where access was denied (0.14 acres). Re-seeding of affected area will be scheduled with property owners. At the time of the line break, the Red River was flowing at approximately 580 CFS (at flood stage). Thus, there was absolutely no damage to the river environment at the point where a small amount of tails entered the river.

Should you have any further questions or require further information, please call the writer at (505) 586-7601.

Sincerely yours

David R. Shoemaker

it R. I bo

Mine Manager

cc: Roger K. Ferland Timothy R. Thomas Molycorp, Inc.

Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

June 14, 1991



Mr. Jake A. Ortega P.O. Box 382 Questa, NM 87556

Dear Mr. Ortega:

On the assumption that you are either the legal owner of record of a particular piece of property on which tailings from our May 21, 1991, spill entered, or you have been legally granted power-of-attorney by the legal owner to negotiate this matter on his behalf, I confirm the offer I made to you on the telephone on Wednesday, June 12, 1991. you will read below, I have amended my initial offer slightly.

To restate, it is our belief that approximately 14% (1/7) of one acre of the property was affected by tailings. The tailings material is inert, non-toxic and non-hazardous. We will remove all tailings from the property by hand shoveling and with wheel barrows. No heavy equipment will be used on the property. Any damaged fruit trees will We will give you a company check in the amount of Fifteen Hundred Dollars (\$1,500.00) for any inconvenience we may have caused you, and we will also seed your property in the seed species of your choice.

We believe this is a reasonable offer based on the affected area, and it is made in the spirit of cooperation and good will.

A prompt reply will be appreciated. Please call me if you have any questions or if you require any clarification.

Very truly yours,

David R. Shoemaker

-人 R.

Mine Manager

DRS: emh



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1 - Permit/CD 2 - AO & AO matl

4 - Vio. Sum. Log

→6 - Correspondence

Clerk's Inits.

Date Filed

3 - DMR's

5 - NCR

7 - CRAS

REGION 6

1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

July 18, 1991

Mr. Curt R. Serviss, Jr. Molycorp, Inc. Questa Division P.O. box 469 Questa, New Mexico 87556

RE: NPDES Permit No. NM0022306

Dear Mr. Serviss:

This letter is in response to your conversation with Maria Martinez, of my staff. Questions raised during that conversation were: 1) the cessation of toxicity testing of Outfall 002 effluent, and 2) the outstanding biomonitoring requirements for Outfall 001.

After review of the biomonitoring results submitted, the Agency recommends the following actions. Biomonitoring requirements for Outfall 002 have been fulfilled according to your permit requirements. Therefore, no additional biomonitoring for this outfall is required. Secondly, Molycorp, Inc. must conduct two more quarterly tests using effluent from Outfall 001, using the same effluent dilutions required for the combined effluent sampling for Outfall 001 & Outfall 002 as described in the permit. It is our understanding that there might not be any discharge from Outfall 001 during all of 1991, however, these tests will be conducted the next two quarters during which effluent is discharged from Outfall 001 and must be fulfilled as required by the permit.

All other permit requirements remain in effect as described in NPDES No. NM0022306. If you have further questions or comments please contact, Maria Martinez at (214) 655-7175.

Sincerely yours,

Robert L. Vickery Acting Section Chief Toxics Control Section

bcc: Talton (6W-EAT)

Mitz (6W-E)

Desk File (6W-PT) 07/17/91:Martinez:mlycrplt:gerardoseries

Permit File (NPDES No. NM0022306)

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212...

UNOCAL MOLYCORP RECEIVED JULI 1 **6 1991**.1 6W-EA

July 11, 1991

1 - Permit/CD 2 - AO & AO matl

4 - Vio. Sum. Log

2_6 - Correspondence

3 - DMR's

.5 - NCR

7 - CRAS _Date Filed Clerk's Inits.

Enforcement Branch (6W-E) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of June 1991. Permit No. NM0022306, Outfalls 001 and 002. Please beadvised that no outflow occurred in Outfall 001 for the entire month.

During the month of April duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment one set: 91/04 thru 92/04 second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002 91/04 thru 92/04 one set: second set: 91/05 thru 92/03

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

Discharge Number 002 A - Seepage Tailings Impoundment Discharge Number 001 A - Final Process Water Sum Total for 001 & 002 Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

Molycorp to EPA
July: 11, 1991 Page

Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. This problem was discussed and advisement was requested in my letter dated May 9, 1991 which accompanied the April 1991 DMR forms. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM EID Program Manager

File

Permit/CD

2. AO & AO math

3. DMR's

3. Vio. Sum. Los

4. Vio. Sum. Los

5. NCR

5. Correspondence

Date Filed

Clerk's Inits.

July 3, 1991

MEMORANDUM

TO: Permit File

FROM: Maria Martinez (6W-PT)

RE: Molycorp, Inc. NPDES No. NM0022306

Spoke with Mr. Curt Serviss (Molycorp, Inc.) about the biomonitoring requirements Permit No. NM0022306. The following is a listing of the submitted reports up to date:

1st Quarter 1990: Test date 11/28/89, Outfall 002 effluent only used recieving water

Ceriodaphnia - ambient toxicity Fathead - pass

2nd Quarter 1990: Test date 03/13/90, Outfall 002 effluent only started using synethetic water

Ceriodaphnia - pass Fathead - pass

3rd Quarter 1990: Test date 09/11/90, Outfall 002 effluent only

Ceriodaphnia - pass Fathead - pass

4th Quarter 1990: Test date 12/11/90, Outfall 002 effluent only

Ceriodaphnia - pass Fathead - pass

1st Quarter 1991: Test date 03/12/91, Outfall 002 effluent only

Ceriodaphnia - pass Fathead - pass

The above results were reviewed based on information provided by the permit file and Fred Humke (6W-PI). Fred Humke assisted Partricia Rocchio in drafting this permit. The low-flow considered for Outfall 002 discharge alone was 2.8% and the half low-flow was 5.5%.

Permittee must still conduct the following biomonitoring tests to fulfill the permit requirements:

Must conduct 2 more quarterly tests using effluent from Outfall 001. The permittee will use the same effluent dilutions required for the combined effluent sampling for Outfall 001 & 002 as described in the permit. It is our understanding that there might not be any discharge from Outfall 001 during all of 1991, however, these tests will be conducted with the next two available quarters during which effluent is discharged from Outfall 001 and must be fulfilled as required by the permit. The decision to use effluent from only Outfall 001 was a mutual decision between Maria Martinez and Bob Vickery (6W-PT) and Mr. Cerviss (Molycorp). This decision was based on the premise that there was sufficient data on Outfall 002.

bcc: Talton (6W-EAT)

Mitz (6W-E)

Desk File (6W-PT)



State of New Mexico

ENVIRONMENT DEPARTMENT

Harold Runnels Building 1190 St. Francis Drive. P.O. Box 26110 Santa Fe. New Mexico 87502 (505) 827-2850

JUDITH M. ESPINOSA' SECRETARY

RON CURRY
DEPUTY SECRETARY

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

July 2, 1991,

Mr. David R. Shoemaker Mine Manager Molycorp, Inc. Questa Division P. O. Box 469 Questa, New Mexico 87556 JUL - 8 1991

6W-EA

SUBJECT: Molycorp Correction Action Report - May 21, 1991

Tailings Spill .

Dear Mr. Shoemaker:

The Environment Department, Surface Water Quality Bureau, is in receipt of your June 3, 1991 corrective action/spill report for the referenced spill. Pursuant to Section 1-203 A.7, that corrective action report is hereby disapproved. In order to approve a corrective action report the following items will need to be addressed within 15 days of your receipt of this letter:

1. In your conversation with my staff during recent inspections and on page 2 of your spill report you have indicated that this spill was unusual in that it occurred as pipeline joint separation vis-a-vis bursting due to excess wear of the pipe wall. Consequently, Molycorp reviewed mill sump cleaning and pipeline operation procedures as well as requesting investigation by the State Police, presumably to determine the possibility of sabotage. You also indicated "mine personnel are still examining the shattered and broken concrete saddle ... because catastrophic failure of a thrust block has never before occurred." Brief review of our file indicates that pipe separation has occurred in the past. Specifically spills on January 22, 1981, September 2, 1978, and May 10, 1977 involved pipeline separation.

<u>Ouestion:</u> What are the results/findings of the State Police investigation and the Molycorp investigation regarding the thrust blocks?

<u>Ouestion:</u> After review of sump cleaning/pipeline operational procedures, what operational changes were made, if any, to prevent reoccurrence? If no changes were made please explain.

1 - Permit/CD	- 37
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Date Filed	
Clerk's inits.	

Mr. David R. Shoemaker July 2, 1991 Page 2 JUL - 8 1991

Ouestion: While we understand that pipeline separation constitutes a reason for only a fraction of the spills which have occurred over many years, was this spill unique? Even if this is an uncommon occurrence, what is being done to prevent it in the future? This is of concern since most preventative measures (e.g. rubber lined pipe and pipe wall gauging) have been directed at the more common cause of spills (i.e., pipe wear).

2. In your letter dated June 3, 1991 it was stated that "[t]he mill operator responded immediately by having the feed shut off to the line and instructed the tailings line patrolman to dump the line below the break into the tailings dump sump" (emphasis added.

<u>Ouestion:</u> Would it have been possible to dump the line in an environmentally protective manner above the break as well to minimize the amount of tailings draining from the separated joint? If not, are there feasible modifications which could be made to allow for this in the future?

3. Thank you for the chemical data on the tailings composition which you provided. I note the sample was analyzed using the Toxicity Characteristic Leaching Procedure.

<u>Ouestion:</u> Does Molycorp have chemical analysis of "total" chemical constituency which are more recent than those found in the 1988 draft Molycorp Guadalupe Mountain Tailings Disposal Facility Environment Impact Statement (Table 1-2)? If so, please provide a copy.

4. As of our last inspection on June 17, 1991, the majority of the spill had been cleaned up by Molycorp and its contractors. However, certain areas which were discussed during the inspection still needed to be cleaned. These include, but are not limited to, the Jake Ortega property for which Molycorp was still negotiating permission to enter in order to clean.

The June 3, 1991 corrective action report does not contain specific information regarding Molycorp's intended standard of performance for the clean-up of the spilled tailings. Our interpretation of the letter is that Molycorp intends to clean the spilled tails as thoroughly as possible and performance will be "measured" by visible inspection (i.e., cleaned until no visible trace remains).

<u>Ouestion:</u> Is this the correct interpretation? If not please specify Molycorp's intended standard of performance for the clean-up.

Mr. David R. Shoemaker July 2, 1991 Page 3

Question: Does Molycorp plan any other corrective actions? If 950 please explain.

RECEIVED

actions? -81996

6W-Final

The Department hereby reserves the right to make the final approval (or disapproval) of the corrective action report, upon receipt of your response to this letter, contingent upon a final inspection of the entire cleanup.

On May 30, 1991, SWQB staff collected samples of the tailings for chemical analysis. Enclosed for your information are the results of the laboratory analysis.

If you have any questions, please contact Glenn Saums of my staff at 827-2827.

Sincerely,

Jim Piatt

Bureau Chief

Surface Water Quality Bureau

GES:Ci

Enclosure

cc: Brad Crawford, US EPA (6W-ET)

Rip Harwood, ED OGC Ernest Rebuck, ED GWB SCIENTIFIC LABORATORY DIVISION

P. Box 4700 NM 87196-4700 700 Camino de Salud, NE 841-2500

AIR & HEAVY METALS SECTION [505]-841-2553

July 1, 1991

Requested Priority 2 ID No. 011501

ANALYTICAL REPORT SLD Accession No. HM-91-0488 Distribution

(_) User 85930

(E) Submitter \$1

(光) SLD File

Glenn Saums To:

> ED - Surface Water Program ED Surface Water Bureau 1190 St. Francis Drive Santa Fc. NM 87503

From:

Air & Heavy Metals Section Scientific Luberatory Div. 700 Camino de Salud, NE

Albuquerque, NM

RECEIVED

JUL - 8 1991

6W-EA

Re: A water sample submitted to this laboratory on May 31, 1991

ED Surface Water Section ED Surface Water Quality Bur.

1190 St. Francis Drive Santa Fe, NM 87503

DEMOGRAPHIC DATA

COLLECTION LOCATION

On: 30-May-91

By: Mon . . .

Mine Tailings Pipe

At: 13:54 hrs. In/Near: Questa

ANALYTICAL RESULTS

Analysis		Yaine .	Units	Analyst
Arsenic	< "	0.0100	mG/L	
Barium		0.6000	mG/L	
Cadmium	4	0.1000	mG/L	
Chromium	<	0.1000	mG/L	
Laad	<	0.1000	mG/L	
Mercury	<	0.0020	mg/L	
Selenium	< '	0.0100	mG/L	
Silver	· <	0.1000	mG/L	
			–	

Laboratory Remarks: EP Toxicity. Extract Digested.

35.53% solids.

Determinations by ICAP for all except arsenic, selenium and mercury. These three were analyzed by atomic absorption techniques.

Reviewed By:

07/01/91 Ashby

Supervisor, Air & Heavy Metals Section

SCIENTIFIC LABORATORY DIVISION

Box 4700 NM 87196-4700 Albuquer

ino de Salud, NE 700 Ca 51-841-2500

AIR & HEAVY METALS SECTION [808]-861-2583

July 1, 1991

Requested Priority 2 ID No. 011500

ANALYTICAL REPORT SLD Accession No. IC-91-0380 Distribution

(__) User 55920

(E) Submitter 31 (M) SLD Files

To: Glenn Saums

ED - Surface Water Program ED Surface Water Bureau 1190 St. Francis Drive Santa Fc. NM 87503

From:

Air & Heavy Metals Section Scientific Laboratory Div. 700 Camino de Salud, NE Albuquerque, NM 87106

Re: A water, Pray/Nonfl sample submitted to this laboratory on May 31, 1991

User:

ED Surface Water Section ED Surface Water Quality Bur. 1190 St. Francis Drive Santa Fe. NM 87503

RECEIVED JUL - 8 1991

6W-EA

DEMOGRAPHIC DATA

COLLECTION

On: 30-May-91 At: 13:54 hrs.

By: Mon . . .

In/Near: Questa

LOCATION

Tailings Pond P.p. M

ANALYTICAL RESULTS in mG/L

			·~~~~ · · · · · · · · · · · · · · · · ·		
Analysis	Valua	inalysis	Value	Anglysis	Value
Aluminum	5380.00	Cobalt	2.30	Mickel	9.50
Barium	38.00	Copper	70.00	Bilicon	120.00
Beryllium	< 0.50	Iron	6250.00	Silver	< 0.50
Boron	< 0.50	Lead	< 0.50	strontium	6G.00
Cadmium	< 3.50	Magnesium	4000.00	Tin	0.90
Calcium	7870.00	Manganese	200.00	Vanadium	14.00
Chromium	15.00	Molybdanum	43.00	Zinc	34.00

Laboratory Remarks: Digested.

Reported on "as received basis".

35.53% solids (based on the unacidified split, RM-488).

Lead is to be re-analyzed by flame AA. If the value changes,

a revised report will be submitted.

Reviewed By:

Jim/l f. Ashby

07/01/91 Supervisor, Air & Heavy Metals Section

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

1 · Permit/CD
2 · AO & AO matl
2 · AO & AO matl
3 · DMR's
4 · Vio. Sum. Los
5 · NCR
6 · Correspondence
7 · CRAS
Date Filed
Clerk's Inits.

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MOLYCORP



June 10, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of May 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

During the month of April duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment one set: 91/04 thru 92/04 second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002 one set: 91/04 thru 92/04 second set: 91/05 thru 92/03

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

Discharge Number 002 A - Seepage Tailings Impoundment Discharge Number 001 A - Final Process Water Sum Total for 001 & 002 Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

Molycorp to EPAU June 10, 1991 Page 2

Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. This problem was discussed and advisement was requested in my letter dated May 9, 1991 which accompanied the April 1991 DMR forms. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM EID Program Manager

File

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JUN | 3 1991

6W-EA

RECEIVED WATER MANAGEMENT DIVISION

91 JUN -4 PM 12: 53

CONCERNED CITIZENS OF QUESTA/CERRO 112 CABRESTO ROAD

c/o Manuel R. Ortega QUESTA, NEW MEXICO 87556



U.S.Environmental Protection Agency Mr. Myron O. Knudson, Director Region VI---1445 Ross Avenue Suite 1200 Dallas, Texas 75202 May 30, 1991

Dear Mr. Knudson.

We appreciate the response in your letter of April 24, 1991. Although your remarks are quite thorough, some of the questions asked in our letter are not sufficiently answered. For instance, was the Environmental Protection Agency (EPA) responsible for taking action on violations of the Clean Water Act, prior to 1987? If not, whose responsibility and duty was it to enforce the provisions set forth in the Clean Water Act, which was enacted in 1974? The other question was whether (EPA) requires a discharge plan in their National Pollutant Discharge Elimination Permit Program (NPDES). You seem to indicate a discharge plan is only required by a state plan. And finally, does (EPA) require Molycorp to modify their (NPDES) permit concerning the proposed expansion of their mining operation. If so, why has Molycorp not submitted a request for modification of their mine tailings disposal site.

We wold also like to know the formula and/or procedure (EPA) uses to determine the type of violation(s) and the amount of the fines that will be assesed, and the outcome revealed to us. Last week, early Tuesday morning May 21st, another tailings spill occured which devastated one of our irrigation ditches, the South ditch, and ran for over Two and One Half Miles inside our acequia, entering N.M. navigable waters. There have also been several other spills in 1991 which your letter does not mention.

Please let us know as soon as you can what possible relief (EPA) can provide to us to correct this most unfortunate situation of water, air and soil contamination.

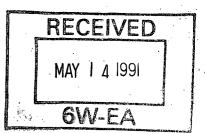
Sincerely,

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Manuel R. Ostege 112 Cabresto Rd. 0 Queste, n. m. 8755 (Manuel Ortega for

Concerned Citizens of Questa/Cerro

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212



1 - Permit/CD 2 - AO & AO mati 3 · DMR'S A . Vio. Sum. LOB 5 - NCR 6 - Correspondence . CRAS Date Filed Clerks Inits.

UNOCAL®

MOLYCORP

nm0032304 May 9, 1991

Enforcement Branch (6W-E) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of May 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

During the month duplicate sets of new DMR reporting forms were received. The new forms include the following:

Discharge Number 002 A - Seepage Tailings Impoundment one set: 91/04 thru 92/04 second set: 91/05 thru 92/03

Discharge Number SUM A - Sum Total For 001 & 002 one set: 91/04 thru 92/04 91/05 thru 92/03 second set:

Molycorp, Inc. - Questa Division is presently required to report on the following DMR's:

Discharge Number 002 A - Seepage Tailings Impoundment Discharge Number 001 A - Final Process Water Sum Total for 001 & 002 Flow Weighted Composite 001 & 002

The revised DMR forms did not include Discharge Number 001 A or Flow Weighted Composite 001 & 002. Discharge Number 001 A DMR forms have been supplied by EPA in the past, whereas the Flow Weighted Composite 001 & 002 DMR forms have never been supplied. Molycorp has been required to zerox and modify a Seepage Tailings Impoundment (002 A) or Final Process Water (001 A). Because no revised Final Process (001 A) DMR or new Flow Weighted Composite 001 & 002 DMR's have been supplied, the old Final Process and a modified zerox copy for Flow

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RECEIVE MAY I 4 1991

Weighted Composite 001 & 002 are still being utilized for the NPDES reporting. For future reporting, please advise on the use of DMR reporting forms. Your assistance in this matter is appreciated.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM EID Program Manager

File

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212-

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APR I 2 1991

6W-EA

(D) ad

April 9, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of March 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no outflow occurred in Outfall 001 for the entire month.

Sincerely yours,

David R. Shoemaker Mine Manager

無理

Enclosure: DMR Report

cc: NM EID Program Manager

File

	1 Permit/CD	
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Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556

Questa, New Mexico 87556 Telephone: (505) 586-0212 APR I 2 1991

Dol

UNOCAL® MOLYCORP

April 8, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for biomonitoring for the first quarter, 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire quarter. There were no adverse effects for Fathead Minnows (Pimephales promelas) or Ceriodaphnia dubia.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure

cc: NM EID Program Manager

File

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Page 5 of PART III

Permit No. NM0022306

TABLE 1

SHEET 1 OF 4

BIOMONITORING REPORTING

RECEIVED

APR | 2 199

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

Permittee: Molycorp, Inc.

NPDES No.: NM0022306

0000

Composite collected FROM: 0630/0635 (my pm 3/11, 3/13, 3/15 date

TO: 1030/1040 amy pm 311,3/13, 3115 date

Test initiated: 1415 am/6m 3/12/91 date

Dilution water used: Receiving water Reconstituted water

NUMBER OF YOUNG PRODUCED PER FEMALE @ 7 DAYS

Percent effluent (%)

REP	0%	9	18	31 16%	50 30%	100%	% at low flow ノ名 %	% at 1/2 low flow 3/%
Α	17	32	16	27	15	9	16	27
В	.19	34	17	18	14	عد	27	. 18
С	33	30	उद्ध	30	27	23	३ ८	30
D	M	M	M	m	·M	M	M	M
E	27	20,	28	26	29	19	28	26
F	30	30	32	27	24	৯৪ .	32	27
. G	24	25	16	23	24	23	26	23
_Н	18	28	28	29	24	19	28	29
1.	25	28	. 22	.30	27	10	3.1	30
J	21	31	20	0	12	25	20	0

M = Male

Permit No. NMO022306

Page 6 of PART III

TABLE 1

SHEET 2 OF 4

BIOMONITORING REPORTING

APR 1 1991

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

Permittee: Molycorp, Inc.

NPDES No.: NMO022306

PERCENT SURVIVAL

Percent effluent (%)

Time of Reading	0%	9 X%	18	31 18%	50 38%	100%	% at low flow /8%	% at 1/2 low flow % i %
24h	100	100	100	90	100	100	100	90
48h	100	100	100	90	100	100	100	90
7-day	100	100	100	90	100	100	100	90

1. Fisher's Exact Test:

Is the mean survival at 7 days significantly different (p=0.05) than the control survival for the % effluent corresponding to:

- a. LOW FLOW: YES NO NO NO
- 2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean number of young produced per female significantly different (p=0.05) than the control's number of young per female for the % effluent corresponding to:

- a. LOW FLOW: YES NO NO NO
- 3. Enter percent effluent corresponding to each NOEL below and circle lowest number:
 - a. NOEL survival = 100 % effluent b. NOEL reproduction = 100 % effluent
- 4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: A
- 5. Enter response to item 4 on DMR Form, Parameter No. TEP3B.
- 5. If you answered NO to 1.b. and 2.b., enter [P]: otherwise enter [F].

Permit No. NM0022306

Effluent Conc. (%) Page 7 of PART III

TABLE 1

SHEET 3 OF 4

BIOMONITORING REPORTING

		,	
APR	1.2	1991	

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST (<u>Pimephales</u> promelas)

MEAN

DRY

Permittee: Molycorp, Inc. NPDES No.: NM0022306 Composite collected FROM: 0630,0635,0610 (m)/pm 3/13/3/3/3/3/3/13 TO: 1030, 1040, 1030 (am) pm 3/11, Test initiated: 32 45 1400 am/pm) Dilution water used: T Receiving water Reconstituted water DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

(2)	replicate chambers					WEIGHT	
	A	В	С	D		mg	CV%*
0%	0.44	6.50	0.57	5,37		0.480	14.79
N 9	0.51	046	0.46	0,54		0.535	11,59
3% 13	0,3	0:51	8:3	0.42 B	H 25	0.475	18.95
10% 31	0.5	0.40	0.45	0.36		0.493	12.17
30% 50_	0.46	0,48	0.46	0.60		0.543	16.57
100%	0.53	0.59	044	0.53		0.550	8.90
Low Flow %	0.31	0.51	053	0 42		0.48	19.0
1/2 Low Flow %	0.51	0,40	0.45	0 36		०.५९	122

Average Dry Weight

in milligrams in

* coefficient of variation = standard deviation x 100/mean

ah 412491

Dunnett's Procedure:

Is the mean dry weight (growth) at 7 days effluent significantly different (p=0.05) than the control's dry weight (growth) for the % effluent corresponding to:

					•
a.	LOW	FLOW:	YES	V/ NO	:
		LOW FLOW:	YES	NO NO	J

Permit No. NMO022306

Page 8 of PART III

TABLE 1

SHEET 4 OF 4

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST (Pimephales promelas)

Permittee: Molycorp, Inc. NPDES No.: NMO022306



DATA TABLE FOR FATHEAD MINNOW SURVIVAL

Effluent Conc. (%)	in r	ent Sureplica bers	irvival ite		MEAN F	ERCENT	•	
	<u> A</u>	В	С	D	 24h	48h	7-day	CV%*
0%	90	100	100	90	100	loo	95	6.08
9 1%	90	90	100	90	100	100	92.5	5.41
183%	90	100	(00)	80	100	925	92.5	10.35
3110%	90	90	100	70	100	100	87.5	14.38
5030%	100	80	90	90	100	100	90	9.07
100%	100	100	90	80	100	97,5	92,5	10.35
Low Flow %	90	100	100	80	100	92.5	93.5	10.4
1/2 Low Flow	90	90	100	70	100	100	275	14.4

- * coefficient of variation = standard deviation x 100/mean
- 2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean survival at 7 days significantly different (p=0.05) than the control survival for the % effluent corresponding to:

a.	LOW FLOW:	YES	NO
b.	1/2 LOW FLOW:	YES	NC

- 3. Enter percent effluent corresponding to each NOEL below and circle lowest number:
 - a. NOEL survival = 100 % effluent b. NOEL growth = 100 % effluent
- 4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: A
- 5. Enter response to item 4 on DMR Form, Parameter No. TEP6C.
- 6. If you answered NO to 1.b. and 2.b. enter FPT otherwise enter FFT.

Molycorp, Inc. A Unodal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL 76

March 22, 1991

Mr. Ernie Rebuck
Ground Water Section
Environmental Improvement Division
1190 St. Francis Drive
Santa Fe, NM 87503

MAR 2 6 1991
6W-EA

Dear Mr. Rebuck:

The six monitoring wells which Molycorp and NM EID agreed upon located in the two tailings sump areas have been completed and sampled. Red Top Drilling Co., Inc. did the drilling and sampled the wells. Molycorp's analytical laboratory completed the water analyses. The analytical data indicate that the water chemistry is within NM Water Quality Standards and within Molycorp's NPDES Permit Discharge Limits. The following summarizes the monitoring well results:

1 634 103 .		Upper Sump	Area			A A A A A A A A A A A A A A A A A A A
Well ~	Depth (ft.)	G.P.M.	рН	TDS	SO ₄	Mo 1 - Permit/CD 2 - AO & AO mati
US-1 US-2 US-3	38 28.5 27	15 30 20	7.0 6.9 7.1	190 312 155	57 115 40	.19 4 - Vio. Sum. Log .07 5 - NCR
		Lower Sump	Area			7 - CRAS
Well	Depth (ft.)	G.P.M.	рН	TDS	SO ₄	MoClerk's Inits.
LS-1 LS-2 LS-3	58 25.75 20	10 30 50+	6.7 6.6 6.6	305 290 266	115	<.03 <.03 <.03

Enclosed are 1:6000 scale maps showing the locations of the Upper Dump and Lower Dump Sump wells, copies of the drill logs for US-1, US-2, US-3, LS-1, LS-2 and LS-3 and a copy of the analytical results. As per Molycorp's tailings maintenance plan which was submitted to EPA and NM EID, the Sump monitoring wells will be sampled semi-annually and the results will be submitted to the EID Ground Water Bureau for review. Should you have any questions please give me a call at (505) 586-7601.

Sincerely yours,

David R. Shoemaker Mine Manager

Enclosures cc: EPA Dallas, TX

Pin No: 4-729



Red Top Drilling Co.. Inc. P. O. Box 505 > Las Vegas. New Mexico 87701

Phone: (505) 425-8371



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MAR 2 6 1991

6W-EA

Owner Molycorp Inc.	Monitoring Well # US-1
Location of Well Upper pond, above pond	
Date Started3/4/91	3/6/91
Driller. Roger Isbell TOTAL DEPT	тн
G.P.M	Casing4
G.P.M	casing 8-5/8 Steel
G.P.Mft. toft.	From. $2\frac{1}{2}$ ft. to $3\frac{1}{2}$ ft.
G.P.M	.032 slotted casing
Static Water level from surface21911	Fromtoft.
Packer set@ft. Hole size	Fromtoft.
Hole sizetoft.	Fromtoft.
Remarks	
VELL LOG	Or . To a depth of
L Brown top Sull α gra	Wel To a depth offt. ft. ft.
13	
2 f. Gray sand, gravel &	clay 21 ft.
17 ft. Brown sand & grayel	
ft	ft.
ft	ft.
(8-12) Silica Sand-1	6'-38'
ft ½" Bentonite pellets	14'-16' ft.
Backfill 5'-14'	tt.
t Cement & Bentonite O	ft.
ft.	ft.
ft.	ft.
ft.	ft.
hIron	Hardness8

Pin No.. 4. - 7.2.9...



RECEIVED

MAR 26 1991

6W-EA

Red Top Drilling Co.. Inc. P. O. Box 505 J Las Vegas. New Mexico 87701

Phone: (505) 425-8371



Owner Molycorp, Inc. Monitoring	g well-
Location of Well Upper pond, below po	ond-North side
Date Started 3/11/91 Date Completed	3/12/91
DrillerRoger Isbell TOTAL DEPTH.	Casing 4" PVC
G.P.M3.0From14ft. to28ft.	From A
G.P.Mft. toft.	Casing 8-5/8" steel
G.P.Mft. toft.	From 2.2 Att. to 2.2 ft.
G.P.Mft. toft.	.032 slotted
Total G.P.M. 3.0	casing
Packer set@	Fromtoft.
Hole sizetoft.	Fromto
Remarks	
1	
WELLIOG	
WELL LOG Thickness of strata Formation & Color	To a depth of
Thickness of strate Formation & Color 5	5 ft.
Thickness of strate Formation & Color 5	5 ft.
Thickness of strate 5 6 Black top soil and gravel 11 6 Brown gravel and 6 Brown boulders and	
Thickness of strate 5 6 Black top soil and gravel 11 6 Brown gravel and 6 Brown boulders and	5 ft
Thickness of strate 5 6 Black top soil and gravel 11 6 Brown gravel and Brown boulders and	5 ft
Thickness of strate 5 6 Black top soil and gravel 11 6 Brown gravel and 6 Brown boulders and	5 ft
Thickness of strate 5 6 Black top soil an gravel 11 6 Brown gravel and 6 6 6 Brown boulders an 6 Brown gravel and 6 6 6 6 6 6 Brown gravel and 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 ft
Thickness of strate 5 6 Black top soil an gravel 11 6 Brown gravel and 6 6 6 Brown boulders an 6 Brown gravel and 6 6 6 6 6 6 Brown gravel and 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 ft
Thickness of strate 5 6 Black top soil and gravel 11 6 Brown gravel and 6 6 6 Brown boulders and 6 6 6 6 6 6 6 6 6 6 6 6 6	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft.
Thickness of strate 5 6 6 6 6 6 7 6 7 7 7 8 8 8 8 8 8 8 8 8 8	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5 6 6 6 6 6 7 6 7 7 8 8 8 8 8 8 8 8 8 8 8	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5 6 6 6 6 6 7 6 7 7 7 8 8 8 8 8 8 8 8 8 8	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5 6 6 6 6 6 7 6 7 7 8 8 8 8 8 8 8 8 8 8 8	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5 6 6 6 6 6 7 6 7 7 8 8 8 8 8 8 8 8 8 8 8	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.
Thickness of strate 5	5 ft. clay 16 ft. d clay 22 ft. sand 28½' ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.



Red Top Drilling Co.. Inc. P. O. Box 505 • Les Veges. New Mexico 87701 Phone: (505) 425-8371



	Owner Molycorp, Inc. Monitor	ing well NoUS-3
	Location of Well Upper pond, below p	ond-south side
	Date Started 3 / 12 / 9 1 Date Completed	3/13/91
	Driller Roger Isbell TOTAL DEPTH Water bearing strates: G.P.M. 20 From 9 ft. to 27 ft.	27 Ft. Casing 4" PVC From 2 Aft. to 27 ft.
	G.P.Mft. toft.	Casing 8-5/8" stee1.
	G.P.Mft. toft.	From 2.2.11 Att. to 2.2ft.
	G.P.M ft. toft.	.032 slotted
	Total G.P.M. 20Type Test. air.	From casing ft
	Static Water level from surface	
	Packer set@ft. Hole size85./t82.7ft.	From7to2.7ft.
RECEIVED	Hole sizetoft.	Fromtoft.
MAR 26 1991	WELL LOG Thickness of strata Formation & Color 4 ft. Black top soil an	To a depth of
6W-EA	# gravel	4ft.
	10 A Brown gravel and 5 A Brown boulders an	clay 14 ft.
	n clay	
	8 Brown gravel and	
	ft	ft.
	ft	ft.
	ft.	ft.
	m8-12 Silica sand f	***************************************
	n½" Bentonite pelle	
	acement and bentoni	te from of to 3 to
	ft.	
	ft	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	WATER ANALYSIS	Hardness

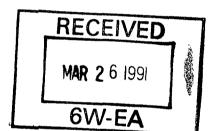


Red Top Drilling Co.. Inc. P. O. Box 505 3 Las Vegas, New Mexico 87701

Phone: (505) 425-8371



owner Molycorp, Inc. Monitori	ng werling No. LS-1
Location of WellLower pond, above p	ond
Date Started3./.8./.9.1	3/11/91
DrillerRoge.kIsbell	58 Ft. P.V.C.
G.P.M1From.4.5ft. to4.7ft.	From 2 A to . 5.8 ft.
G.P.M. 9From 5.3ft. to58ft.	Casing 8-5/8" stee1
G.P.Mft. toft.	From 2 1 Aft. to 2 2
G.P.Mft. toft.	.032 slotted
Total G.P.M	casing
Static Water level from surface	From3.8to5.8ft.
	Fromft.
Hole size7768.115.8ft.	Fromft.
Remarks The well could not be co	
After it was cased, p	umped 16 GPM.
WELL LOG	
Thickness of strata Formation & Color	To a depth of .ndft.
2 ft. Brown top soil a	ft.
15 to Brown sand, clay	2ft.
n gravel	17ft.
5 ft Brown boulders a	nd clay 22 ft
	vel and fr
n. clay	3.6ft.
22 h Brown sand, grav	el and ft.
n. clay	5.8ft.
ft.	ft.
ft.	ft.
ft.	ft.
ft.	
m 8-12 Silica sand	
	ets. from 34! to 36'
ft. c.ement & hentonit.	
water analysis it was cased.	kew arminmatumarasi
PhIron	Hardness



4-730



Red Top Drilling Co., Inc. P. O. Box 505 . Las Vegas. New Mexico 87701 Phone: (505) 425-8371



Molycorp Inc.,	Monitoring Well #LS-2
lower nond	helow nond_Fastside
3/6/91	3/7/91
Roger Isbell	3/7/91 Date Completed 2519"
Water bearing stratas: 30 G.P.MFromft. t	2519"Ft. Casing
G.P.Mft. t	
G.P.Mft. t	.032 slotted casing
Total G.P.M30Type Test	
Static Water level from surface	
	7. to 20 ft. From to ft. 5/8 2519" ft. From to ft.
Remarks	·

RECEIVED
MAR 2 6 1991
6W-EA

Thickness of strate Brown top Soil & Gravel To a depth of ft 5 th Brown gravel & clay 6 th 19'9" th Brown sand, gravel & clay 25'9" th ft ft ft ft	WELL LOG		
5	Thickness of strata	Brown top Formation & Colorvel	To a depth of
ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.	5 ft .	Brown gravel & clay Brown sand, gravel & clay	25'9" h
ft	ft.		ft
# 8-12 Silica sand 3'9"-25'9" #t # 8-12 Silica sand 3'9"-25'9" #t # 1			ft
## Pentonite pellets 1'9"-3'9" ## ## Cement & Bentonite 0-1'9" ## ## ## ## ## ## ## ## ## ## ## ##	ft.		
ft.		8-12 Silica sand 3'9"-25"	y" ft
ft. Cement & Bentonite U-1'9" ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.	ft.		4.
ft			t
ftftft.	ft		ft.
	ft.		ft.



RECEIVED

MAR 26 1991

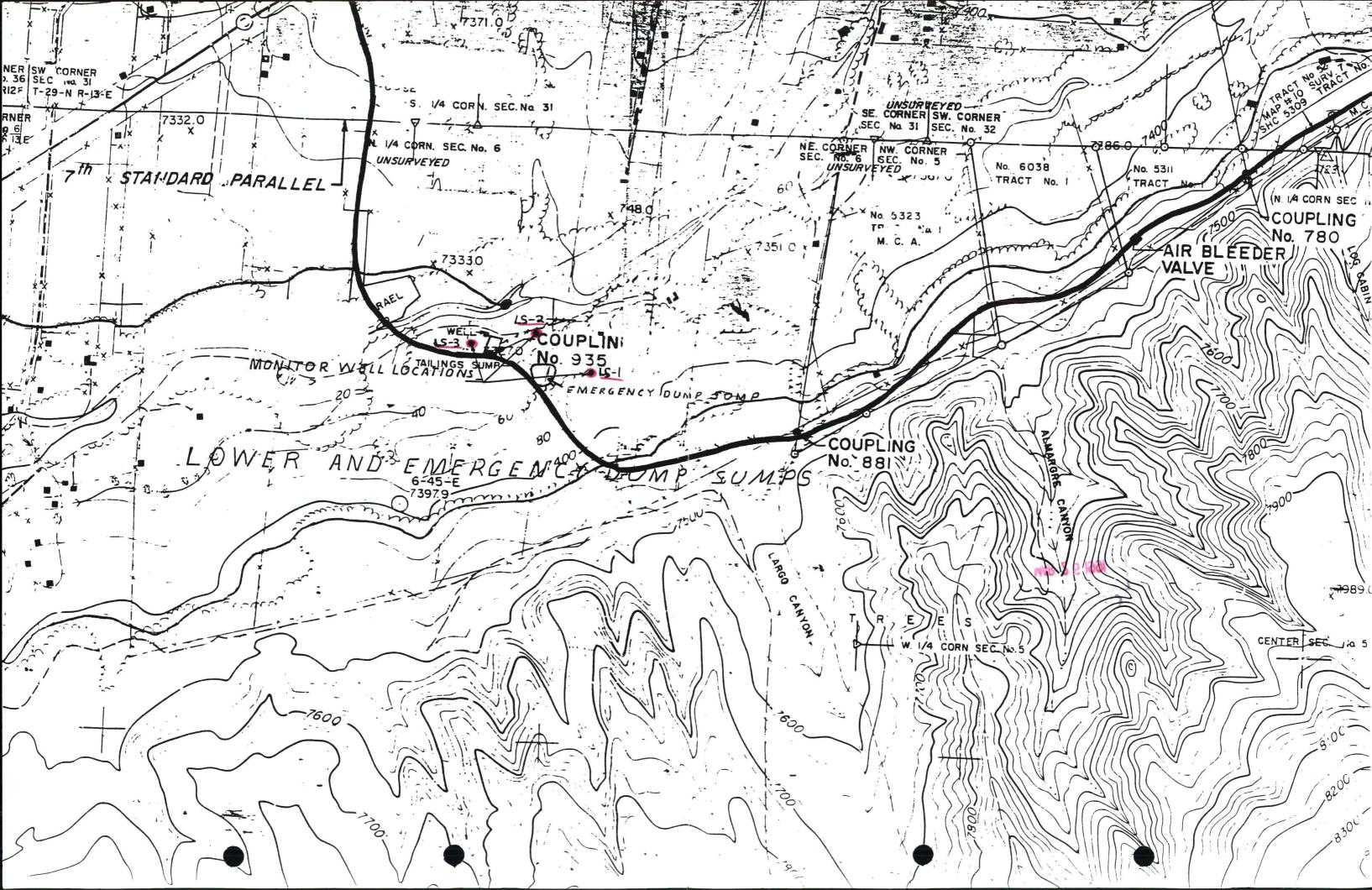
Red Top Drilling Co.. Inc. P. O. Box 505 . Las Vegas. New Mexico 87701



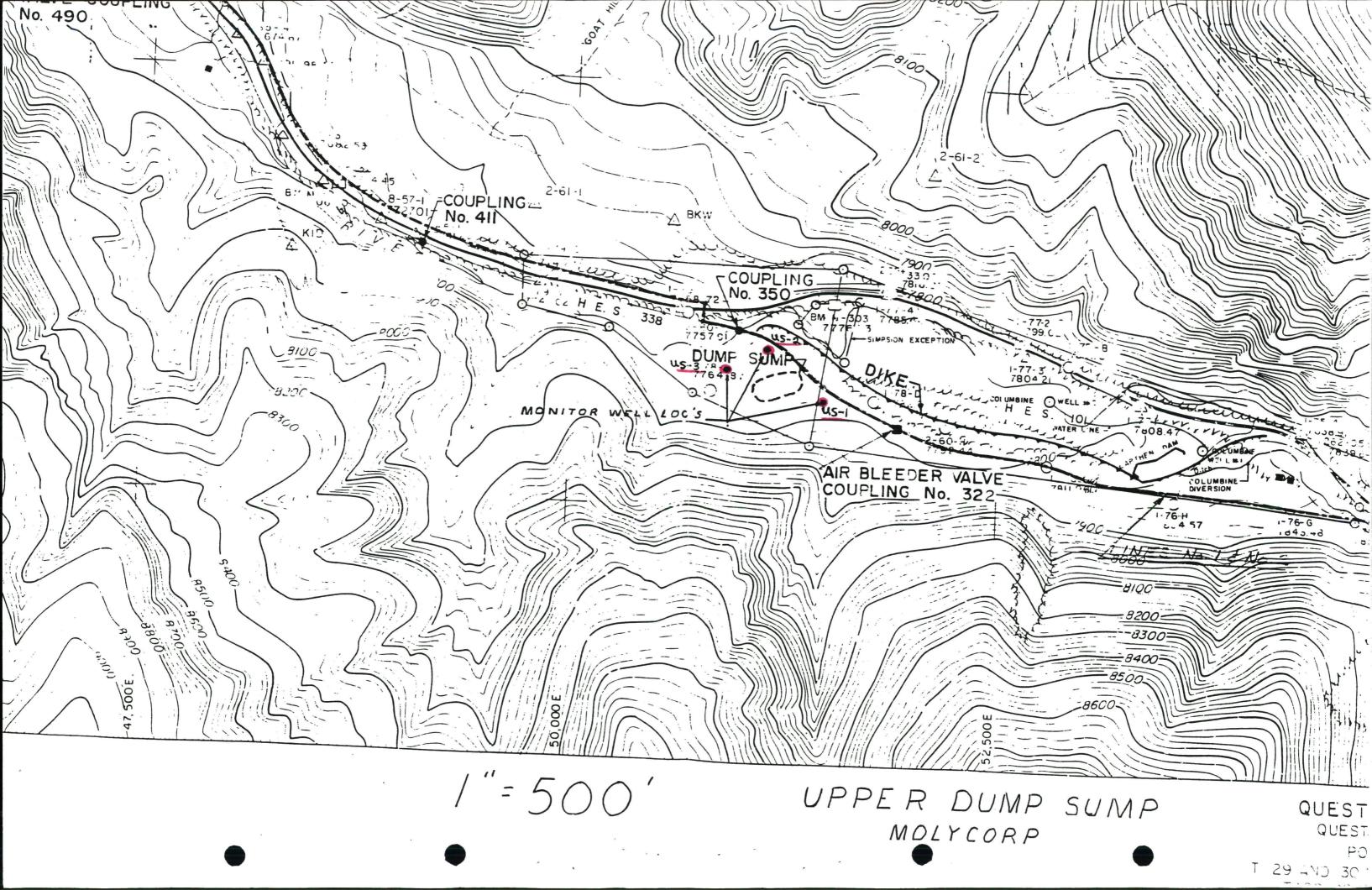
				4
Owner Molyo	corp Inc.	Moni	itoring Permit No	Well #LS-3
	Lower pond, be			*************************************
Date Started3	مع	ate Completed.	3/7/91	*************
Driller Roger	Isbell To	OTAL DEPTH	20 Casing 4" P\)Ft.
Water bearing strate	\$:		Casing4".P\	/C
	From5ft. to			ft. to 20ft.
G.P.M	Fromft. to	ft.	Casing 8-5/8	3" Steel
	. Fromft. to		From $2\frac{1}{2}A$	ft. toft.
G.P.M	. Fromft. toft.	ft.	Perforation: , 03	2_slotted
Total G.P.M	Type Test	Γ	Perforation: 03 Cas From5to	20 ft.
Static Water level fro	om surface	ft.	Fromto	ft.
Packer set@ft	. Hole size 8-5/8	<u>2U</u> .ft.	Fromto.	ft.
	Hole sizeto	ft.	Fromto.	ft.
Remarks		•		•

WELL LOG				*********
Thickness of strata	Grown ton Form	ation & Color	Toed	South of
Thickness of strata	Brown top so	ation & Color	To s o	lepth of
Thickness of strata	Brown top son	gravel & c	To a c	Spth offt.
Thickness of strata 14 5 ft	Brown top so Brown sand, o Brown gravel	gravel & c	To a c clay 1.	Sft.
Thickness of strata	Brown gravel	gravel & c	To a o	Spoth of
Thickness of strata 14 5 ft	Brown gravel	gravel & c	To a o	
Thickness of strata	Brown gravel	gravel & c	Llay 1	
Thickness of strata	Brown gravel	gravel & c	To a c	#pth offtftftftft.
14 ft 5 ft ft ft ft ft ft ft	Brown gravel	gravel & c	To a o	### of
14 ft 5 ft ft ft ft ft ft ft	Brown gravel	gravel & c & clay		### of ################################
14 ft 5 ft ft ft ft ft ft ft	Brown gravel	gravel & c & clay		
Thickness of strate 14 5 ft ft ft ft ft ft ft ft ft	8-12 Silica S	gravel & c & clay and 3'-20		ftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20		ftftftftftft.
Thickness of strate 14 5 ft ft ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.
Thickness of strata 14 ft 5 ft ft ft ft ft ft ft	8-12 Silica S Bentonite pel	gravel & c & clay and 3'-20 lets 1'-3		ftftftftftftft.

SAMPLE	S	DURCE		PH		TDS		S04	MO
		US 1		7.0		190		57	<.03
		US 2		6.9		312		115	.19
		ns 3		7.1		155		40	. 07
VED	7	LS 1		6.7		305		116	SQ.>
1001		LS2		6.6		290		115	403
1991		LS3		6.6		266		90	<.03
A		SAMPLED	WEE	OF	3-11	то з	-15-9	91	



RECEIVED MAR 26 1991 6W-EA



Molycorp, Inc. A Unocal Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL

MOLYCORP

February 15 PERENVE [

MAR 1 9 1991

6W-EA

Enforcement Branch (6W-E) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Dear Sirs:

Enclosed is the Biomonitoring Report for the Fourth Quarter of 1990, Permit No. NM 0022306, Outfalls 001 and 002.

No flow occurred at Outfall 001 during the entire period, therefore the tests were performed on water from Outfall 002 only.

The results for Ceriodaphnia dubia show a reduction in reproduction in the 31, 50 and 100 percent effluent treatment groups.

There were no adverse effects for Fathead Minnows (Pimephales promelas).

Copies of laboratory reports are attached. Please contact us if you need additional information.

Very truly yours,

David R. Shoemaker

Mine Manager

Enclosures: Toxicity Report Form Laboratory Report

cc: NM EID Program Manager 1 - Permit/CD

2 - AO & AO matl

3 - DMR's

4 - Vio. Sum. Log

5 - NOR

- Correspondence

- CRAS

Date Filed

Clerk's Inits.

VOP 1/11/91

Permit No. NMO022306

Page 5 of PART III

TABLE 1

SHEET 1 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

MAR 1 9 1991

Molycorp, Inc. Permittee: NM0022306 NPDES No.:

6W.EA

Composite collected FROM: OSCO 033 am'pm 12/10, 12/12,12/14 date TO: 1230, 1200 am/pm) 12/10, 12/12.

Test initiated: 12 11 40

Dilution water used: TT Receiving water Reconstituted water RW#443

NUMBER OF YOUNG PRODUCED PER FEMALE @ Y DAYS

Percent effluent (%)

REP	0%	9%	18%	31 10 %	30% 50	100%	% at low flow j8%	% at 1/2 low flow 3 %
Α	31	23	25	23	23	19	25	33
В	25	2 4	30	23	24	14	30	. 2. 3
С	26	23	24	24	. 23	17	414	ઝપ
D	25	27	٦	12	'24	. (5	21	12
Ε	26	22	27	22	19	18	27	22
F	30	24	ಮ	25	22	13	22	25
G	28	26	27	24	24	21	27	24
Н	27	23	23	24	22	Ю	23	24
1.	23	23	22	19	24	17	રર	19
J	27	25	18	28	24	17	/8	78

Permit No. NM0022306

ad

18/11/91 AND

3505 -070-

Page 6 of PART III

TABLE 1

SHEET 2 OF 4

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TESTOREGET VEIL

Permittee: M

Molycorp, Inc.

NPDES No.:

NM0022306

MAR 1 9 1991

PERCENT SURVIVAL

6W-EA

Percent effluent (%)

Time of Reading	0%	9%	18%	3i 10%	3 6% 20	100%	% at low flow 18%	% at 1/2 low flow 31%
24h	100	ico	100	100	100	100	100	100
48h	100	100	100	100	100	100	100	100
6X-day	100	100	100	100	100	100	100	100

1. Fisher's Exact Test:

Is the mean survival at 7 days significantly different (p=0.05) than the control survival for the % effluent corresponding to:

- a. LOW FLOW: YES NO NO NO
- 2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean number of young produced per female significantly different (p=0.05) than the control's number of young per female for the % effluent corresponding to:

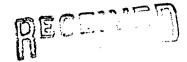
- a. LOW FLOW: YES NO NO NO NO NO
- 3. Enter percent effluent corresponding to each NOEL below and circle lowest number:
 - a. NOEL survival = 100 % effluent
 b. NOEL reproduction = 18 % effluent
- 4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: P
- 5. Enter response to item 4 on DMR Form, Parameter No. TEP3B.
- 6. If you answered NO to 1.b. and 2.b. enter [P]: otherwise enter [F]. [

Page 7 of PART III

TABLE 1

SHEET 3 OF 4

BIOMONITORING REPORTING



HRY 1/3/91

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST MAR 1 9 1991 (Pimephales promelas)

MEAN

Permittee: Molycorp, Inc.

NPDES No.: NM0022306

Effluent |

6W-EA

FROM: 0500 C500, 0730 am/pm 12/10 12/12 12/14 date Composite collected TO: 1230, 1230, 1200 am/pm) 12/10, 12/12, 12/14 date

Test initiated: 15451600 am/pm 12-11-90

Reconstituted water RW#443
Rec Hzo Match

Average Dry Weight

Dilution water used: TT Receiving water

DATA TABLE FOR GROWTH OF FATHEAD MINNOWS

Conc. (%)		licate			WEIGHT	
,	, <u>A</u>	В	С	D	mg	CV%*
0%	0.30	0.36	0.20	0.18	0.260	32.69
9 9%	0.27	0,32	0.32	0.16	0.268	27.99
18%	0.37	0.30	0.30	0.27	0.310	13.55
31 70%	0.32	0.43	0.43	0.43	0.403	13.65
	0.37	0.43	046	Q.36	0.405	11.85
100%	0.22	0.35	0.28	0.39	0.310	24.19
Low Flow /5 %	0.37	0.50	0,30	0.27	0.310	(3.55
1/2 Low Flow	0.32	0.43	0.43	0.43	0.403	13.65

coefficient of variation = standard deviation x 100/mean

Dunnett's Procedure:

Is the mean dry weight (growth) at 7 days effluent significantly different (p=0.05) than the control's dry weight (growth) for the % effluent corresponding to:

a.	LOW	FLOW:	YES	NO
b.	1/2	LOW FLOW:	YES	NO

Page 8 of PART III 100 /1/91

TABLE 1

SHEET 4 OF 4

W C

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL TEST GELV 写面 (Pimephales promelas)

Permittee:

Molycorp, Inc.

NPDES No .:

Effluent

Conc. (%)

NM0022306

MAR 10 1991

DATA TABLE FOR FATHEAD MINNOW SURVIVAL

AM-EA

0%
9 12
18%
3170%
2030%
100%
Low Flow 18 %
1/2 Low Flow

A	В	С	D
90	90	70	90
90	80	50	70
90	60	60	70
90	67	77	90
90	90	89	70
80	60	60	90
90	60	نص	70
90	67	77	90

Percent Survival

in replicate

chambers

<u> 24n </u>	<u> 48h </u>	/-day
POQ Post	90	85
97.5	97.5	72.5
97.5	92.5	70
100	97.5	81×32
100	100	84.8
97,5	.97.5	72.5
97.5	92.5	70
100	97.5	82

MEAN PERCENT

SURVIVAL

11.76	
2356	
20.20	
13.78	
11.62	
20.69	
<i>3</i> 0.2	
13.78	

CV%*

- * coefficient of variation = standard deviation x 100/mean
- 2. Dunnett's Procedure or Steel's Many-One Rank Test as appropriate:

Is the mean survival at 7 days significantly different (p=0.05) than the control survival for the % effluent corresponding to:

- 3. Enter percent effluent corresponding to each NOEL below and circle lowest number:
 - a. NOEL survival = 100 % effluent
 b. NOEL growth = 100 % effluent
- 4. If you answered NO to 1.a. and 2.a., enter [P]; otherwise enter [F]: P
- 5. Enter response to item 4 on DMR Form, Parameter No. TEP6C.
- 6. If you answered NO to 1.b. and 2.b., enter [P]: otherwise enter [F]:

: 2R 10 1991

014-EA

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL®

MOLYCORP

March 18, 1991

Mr. Adolphus Talton Environmental Protection Specialist U.S. Environmental Protection Agency - Region 6 Enforcement Branch (6W-EAT) 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

MAR 1 9 1991

NPDES Permit No. NM0022306

Dear Mr. Talton:

This letter is in response to your letter of non-compliance dated March 13, 1991 to Molycorp, Inc. In your letter you indicated that the EPA has not received the following report:

Toxicity Discharge Monitoring Report (TX1A) for the combine discharge of outfalls 001A & 002A for the period ending December 1990

The subject report was completed by Molycorp, Inc. and submitted to EPA in February, 1991. The report was sent Certified Mail Return Receipt Requested (Article # 473-901-756) and it was received by EPA on February 22, 1991 according to the receiving agents initials "CWW" (a copy of the Return Receipt is enclosed). A copy of the report was also sent to the NMEID and they received it on February 20, 1991 according to a Return Receipt which is contained in Molycorp's files. In addition, the cover letter accompanying the TX1A report indicated that there was no flow from Outfall 001 during the entire period and therefore the tests were performed on water from Outfall 002 only. I am enclosing copies of the cover letter dated February 15, 1991 and the TX1A report documentation. Should you have any further questions, please contact me at the above address or telephone (505) 586-7601.

Sincerely yours.

David R. Shoemaker

A - Mo. Sum. Log 26 - Correspondence Mine Manager

Enclosure

Cover Letter 3/18/91 only Clerk's Inits. cc: NM EID Program Manager

_Date Filed.

1 - Permit/CD _2 - AO & AO matl 3 · DARR'S

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REGEIVED

MAR 1 9 1991

6W-EA

SENDER: Complete items. 1 3 and 4. Put your address in the "RETURN 1	and 2 when additiona	services are desired, and complete items
from being returned to you. The returned to you. The returned the date of delivery. For additional second of the box (es) for additional second of the secon	urn receipt fee will provid fees the following services:	e you the name of the person delivered to and es are available. Consult postmaster for fees ddress: 2 2 . Restricted Delivery
3. Article Addressed to:	charge)	(Extra charge) 4. Article Number
Enforcement Bra U.S. E.P.A.	nch (6W-E) .	Type of Service:
1445 Ross Avenu Dallas, Texas	e	Contilled COD Express Mail Receipt for Merchandise
		Always obtain signature of addressee
5. Signature — Addressee		8 Addressee's Address (ONLY if requested and fee paid)
S. Signature – Agent	i/W	
7. Date of Delivery	/22 A	

Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212 algo

Regeived

UNOCAL®

MOLYCORP

MAR 1 4 1991

6W-EA

March 11, 1991

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of February 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire month.

Sincerely yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM EID Program Manager

File

1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
6 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

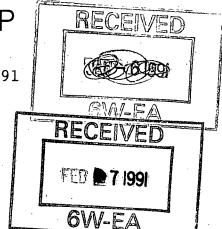
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UNOCAL®

MOLYCORP

February 4, 1991



Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas TX 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of January 1991, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire month.

Very truly yours,

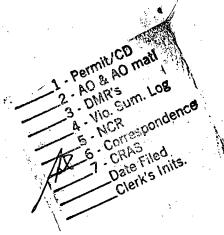
David R. Shoemaker

Mine Manager

Enclosure: DMR Report

cc: NM EID Program Manager

File





Molycorp, Inc. A Unocai Company P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL®

MOLYCORP

January 28, 1991

BEGEINED

FEB 4 1991

6W-EA

REPLY TO: 6W-EAT

RE: NPDES Permit No. NM0022306

Mr. Adolphus Talton
Environmental Assistant
U.S. Environmental Protection
Agency, Region VI
1445 Ross Ave. Suite 1200
Dallas, Texas 75202-2733

Dear Mr. Talton:

This letter will confirm our telephone conversation on Tuesday, January 22, 1991, duing which you stated your letter dated January 17, 1991, advising our facility of violations of maganese and molybdenum is being rescinded because, in fact, no violations exist.

On the issue that the September report for bio-monitoring was not received, our records indicate the report was mailed and a xerox copy of the report and accompanying letter are enclosed.

Very truly yours,

David R. Shoemaker Mine Manager

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Enclosure: Sept. Biomonitoring Report

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^	DMR'S
4	. Vio. Sum. Log
7606	 NCR Correspondence
7	- CRAS Date Filed
	_Clerk's Inits.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

March 13, 1991

REPLY TO: 6W-EA

Mr. David Shoemaker General Superintendent Molycorp Inc. P. O. Box 469 Questa, New Mexico 87556

RE: NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

The above referenced National Pollutant Discharge Elimination System (NPDES) permit issued to authorize the discharge from your facility requires submission of periodic reports to allow us to monitor your compliance with your permit. To date, our records indicate the following information has not been received:

Toxicity Discharge Monitoring Report (TX1A) for the combine discharge of outfalls 001A & 002A for the period ending December 1990

Nonsubmission of the required information constitutes a violation of the conditions of the above referenced NPDES permit. Future enforcement actions could include administrative compliance orders, administrative penalty orders, and/or referral to the United States Department of Justice for judicial action with monetary fines.

If you believe you have complied with this requirement through a previous submittal, please submit a copy of that report within ten (10) days. If you have any questions, please contact me at the above address or telephone (214) 655-6455.

Sincerely yours

Adolphus Talton

Environmental Protection Specialist

Enforcement Branch (6W-EAT)

cc: New Mexico Environmental Improvement
Division

2 - AO & AO matl 3 - DMR's

4 - Nio. Sum. Log

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5 - NO

.0800

JAN 1 7 1991

REPLY TO: 6W-EAT

Mr. David R. Shoemaker General Manager Holycomp, Inc. - Questa Division P.O. Box 469 Questa, New Mexico 87556

MPDES Permit No. NM0022306

Dear Mr. Shoemaker:

We note that your facility is in violation of the above referenced permit, specifically, the following violations:

Date	Outfall	Parameter	Violetion .	Permit Limit
*8/90	002A	Manganese, daily ave Molybdenum, daily ave Molybdenum, daily ma	g. 2.41 mg/1	1.0 mg/l 1.0 mg/l 2.0 mg/l
*9/90	002A	Manganese, daily ave Manganese, daily and Molybdenum, daily ave Molybdenum, daily ma	g. 1.72 mg/1 k. 2.49 mg/1 g. 2.35 mg/1 k. 2.49 mg/1	1.0 mg/1 2.0 mg/1 1.0 mg/1 2.0 mg/1

Noncompliance reports for the above asterisked violations have not been received. You need to submit the information required in your permit within ten (10) days of receipt of this letter of the way

注:数据数据 注意发现证 Your facility should take whatever remedial action is necessary to prevent the recurrence of the violations noted above.

A report of the above violations will be placed in your file. The report will be used in our consideration of the appropriate action to be taken in the event of future violations. Future enforcement actions could include administrative compliance orders, administrative penalty orders, and/or referral to the United States Department of Justice for judicial action with monetary fines.

12/21/90 6W-EAT:ATALTON:ce:WE1:x6455:12/6/90:C18:(00798) CONCURRENCES SYMBOL 6W-EA SURNAME Gibson. EPA Form 1320-1 (12-70) OFFICIAL FILE COPY If you have any questions, please contact me at the above address or telephone (214) 655-6455.

Sincerely yours,

Adolphus Talton Environmental Assistant Enforcement Branch (6W-EAT)

cc: Mr. Jim Piatt, Acting Chief
Surface Water Bureau
New Mexico Environmental Improvement
Division

bcc: R. File (6W-E)
Talton (6W-EAT)

2 - AO & AO matl

4 - Vio. Sum. Log

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. Carrer pondence

3 - DMR's

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JAN 1 7 1991

REPLY TO: 6W-EAT

Mr. David R. Shoemaker General Manager Molycomp, Inc. - Questa Division P.O. Box 469 Questa, New Mexico 87556

Re: NPDES Permit No. NM0022306

Dear Mr. Shoemaker:

We note that your facility is in violation of the above referenced permit, specifically, the following violations:

Date	Outfall	Perameter	Violation	Permit Limit
*8/90	002A	Manganese, daily avo Molybdenum, daily avo Molybdenum, daily max	. 2.41 mg/1 . 2.47 mg/1	1.0 mg/1 1.0 mg/1 2.0 mg/1
*9/90	062A	Manganese, daily avo Manganese, daily max Molybdenum, daily avo Molybdenum, daily max	1.72 mg/1 2.49 mg/1 2.35 mg/1 2.49 mg/1	1.0 mg/1 2.0 mg/1 1.0 mg/1 2.0 mg/1

Noncompliance reports for the above asterisked violations have not been received. You need to submit the information required in your permit within ten (40) days of neceipt of this letter.

Your facility should take whatever remedial action is necessary to prevent the recurrence of the violations noted above.

A report of the above violations will be placed in your file. The report will be used in our consideration of the appropriate action to be taken in the event of future violations. Future enforcement actions could include administrative compliance orders, administrative penalty orders, and/or referral to the United States Department of Justice for judicial action with monetary fines.

6W-EAT:ATALTON:ce:WE1:x6455:12/6/90:C18:(00798)

CONCURRENCES

SYMBOL 6W-EAT 6W-EA

SURNAME Gordon a Gibson

DATE 14440 1-291



Molycorp, Inc. A Unocal Company Questa Division P.O. Box 469 Questa, New Mexico 87556 Telephone: (505) 586-0212

UNOCAL® MOLYCORF

January 3, 1991



JAN 9 199

6W-EA

Enforcement Branch (6W-E)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733

Dear Sirs:

Enclosed are DMR forms for the month of December, 1990, Permit No. NM0022306, Outfalls 001 and 002. Please be advised that no flow occurred in Outfall 001 for the entire month.

Our supply of preprinted forms will run out in May, 1991. Please send a supply of the following preprinted forms:

- o Outfall 001
- o Outfall 002
- o Outfalls 001 + 002 flow-weighted average
- o Outfalls 001 + 002 Sum A (Mo mass discharge)

Very truly yours,

David R. Shoemaker

Mine Manager

Enclosure: DMR Report cc: NM EID Program Manager

Files

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1 - Permit/CD
2 - AO & AO matl
3 - DMR's
4 - Vio. Sum. Log
5 - NCR
25 - Correspondence
7 - CRAS
Date Filed
Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET
6W-FAT/6W-FAO

Information		ON-LAIT ON-LAC	MAJOR
Action			MINOR
B = Bypass/Overfl I = Inspection E = VRAC (Effluen A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decre C = Correspondenc L = Sludge	t)	Lo	IPDES ILIN BO22 304 Name Moly Conf Jo Cocation Assistant ADOLPHUS TALTON Pate Received 12/3/9/ Add 12/3/9/ + 12/4/9/
ROUTED TO 19 ELLISON Sm; t/	INITIALS PAR	DATE 12.14 12/23/91	ACTION RECOMMENDED WE-S DATTED
ELLISON AD TALTON		 1 <u>221</u> 1/2/9	7 2
REMARKS:			
			1 - Permit/CD 2 - AO & AO matl 3 - DMR's 4 - Vio. Sum. Log 5 - NCR 6 - Correspondence

	IEW ACTION SHEET ∕6W-EAO ∠
Information	MAJOR ·
Action	MINOR
B = Bypass/Overflows I = Inspection	NAME MOLY CURP Inc
E = VRAC (Effluent) 91-412	Name moly curp Inc
A = A/O Response R = Admin Review	Location
S - S/C Report P = Pretreatment	Assistant ADOLPHUS TALTON
T = Toxicity	_
D = Consent Decree Response C = Correspondence Req. Review L = Sludge	Date Received 12/13/9/
L = Sludge	11 9P4 1701/1/
ROUTED IO INITIALS DAT	E ACTION RECOMMENDED
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Smith Del	991 XSEE BELOW, FILE
- 1111 / 121	19/15/2011 The
· . ———————————————————————————————————	·
ELLISON ()	/9
AD TALTON	1/92
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•		COMPLIANCE REV		SHEET		
	Information	6W-EA	T/6W-EAO	>		
	Information				MAJOR	
	Action				MINOR	
	B = Bypass/Overflows		NPDES	NM 00	22304	
	I = Inspection E = VRAC (Effluent)		Name	molve	2230 G	u
	A = A/O Response			•		
	R = Admin Review S - S/C Report		Locati	ion		
	P = Pretreatment T = Toxicity		Assist	ant ADOLI	PHUS TALTON	
	D = Consent Decree Respon	ise	Date R	Received	11/27/9	/
	<pre>C = Correspondence Req. I L = Sludge</pre>	Review	er and	Received	/ /	
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COMPLIANCE REVIEW ACTION SHEET

Information	MAJOR
	MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge	NPDES NMO022306 Name MO/Y CARP Location Assistant ADOLPHUS TALTON Date Received 1/7/92 12/16/91 12/19/91
ROUTED 109 INITIALS ELLISON Sm: H7 THA	DATE ACTION RECOMMENDED 1-8-92 PLEASE FILE
ELLISON AD TALTON	7-9
REMARKS:	
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- COMPLIANCE REVIEW ACTION SHEET 6W-EAT/6W-EAO

	Information	MAJOR
	Action	MINOR
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SantH	ROUTED TO INITIALS DATE ELLISON 374 CC /0 A4 / 10 -28	ACTION RECOMMENDED 8-91 PLEASE FILE
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	COMPL	IANCE REVIEW ACTION SHEET 6W-EAT/6W-EAO
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	ROUTED TO INPIALS ELLISON ELLISON FILLISON	DATE ACTION RECOMMENDED 10-9 10/23/91 10/23 10.23
	AD TALTON REMARKS:	10 24
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	COMPLI	ANCE REVIEW AC	TION SHEET
Information	•	6W-EAT/6W-E	
Action			MINOR
B = Bypass/Overfi I = Inspection E = VRAC (Effluer A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decre C = Correspondenc L = Sludge	e Response	•	NAME MOLY CORP Jac Location Assistant ADOLPHUS TALTON Date Received 10/1/91
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mifz_	<u>/m</u>	10/Hq1	2+2 dfd 9/12/91
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COMPLIANCE REVIEW ACTION SHEET
6W-EAT/6W-EAO

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COMPL	TANCE REVIEW ACTION SHEET
Information	6W-EAT/6W-EAO ✓ MAJOR
Action	MINOR
B = Bypass/Overflows I = Inspection	NPDES _ K/M 00 22306
E = VRAC (Effluent)	Name moly coep
A = A/O Response R = Admin Review S - S/C Report	Location
P = Pretreatment	Assistant ADOLPHUS TALTON
T = Toxicity D = Consent Decree Response	Date Received 8/14/9/
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	COMPL	ANCE REVIEW A - 6W-EAT/6W-		
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T = Toxicity D = Consent Decre	e Response	 1 _	Date Received $8/$	7/91
C = Correspondenc L = Sludge	e Req. Review		7.	·
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COMPLIANCE REVIEW	· ,
6W-EAT/6W Information	√-EAO × MAJOR
	
Action	MINOR .
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A = A/O Response	
R = Admin Review S - S/C Report	Location
P = Pretreatment	Assistant ADOLPHUS TALTON
T = Toxicity D = Consent Decree Response	Date Received 7/27/9/
C = Correspondence Req. Review	
L = Sludge	
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	✓ Vio. Surn. Log
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COMPLI	ANCE REVIEW ACTION SHEET
Information	6W-EAT/6W-EAO MAJOR
Action	MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge	NPDES N/M 0022306 Name MOLY CORP In Location Assistant ADOLPHUS TALTON Date Received 7/12/9/
ROUTED TO INITIALS ELLISON 2366 CC	DATE ACTION RECOMMENDED
mite In	8/15/91 PLEASE FILE
ELLISON AD TALTON	8-28
REMARKS:	
,	1 - Permit/CD 2 - AO & AO mati
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	6 - Correspondence
•	Date Filed Clerk's Inits-

 $\widetilde{\mathcal{C}}(x,y) = \sum_{i=1}^{n} \widetilde{\mathcal{C}}(x,y)$

COMPLIA	NCE REVIEW ACTION SHEET
Information	6W-EAT/6W-EAO MAJOR
Action	MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge	NAME MOLY CORP Juc Location Assistant ADOLPHUS TALTON Date Received 4/26/9/
ROUTED TO INITIALS ELLISON Mitz	DATE ACTION RECOMMENDED OBS PLEASE FILE SCHEDULE A SO B/15/91 HAS BEEN DRAFTED.
ELLISON AD TALTON	8-28
REMARKS:	1 - Permit/CD // 2 - AO & AO matl // 3 - DMR's 4 - Vio S
	4 - Vio. Sum. Log 5 - NCR 6 - Correspondence 7 - CRAS Date Filed Clerk's Inits.

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Information		6W-EAT/6W-E	.AU	MAJOR
Action				MI NOR
D = Bypasi 'Overflows			NPDES	NN10022304
<pre>I = Inspection E = VRAC (Effluent)</pre>		,	Name	NN10022304 moly carp
A = A/O Response R = Admin Review			Locat i	
S - S/C Report P = Pretreatment	- .			ant ADOLPHUS TALTON
T = Toxicity D = Consent Decree Re	- esnonse			Received <u>2/4/9/</u>
C = Correspondence Re L = Sludge			bace n	Neces Ved
L - 31dage				
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REMARKS:			-	
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COMPLIANCE REVIEW	ACTION SHEET
Information 6W-EAT/6W-	MAJOR
Action	MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge	NPDES IVM 6022306 Name Woly Curp Location Assistant ADOLPHUS TALTON Date Received 6/5/9/
ROUTED TO INITIALS DATE 1367 (6/5/9/	ACTION RECOMMENDED Lighted show course A/
ELLISON (e-171-9) AD TALTON (4/1/9)	/
REMARKS:	
	1 - Permit/CD
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	Date Filed Clerk's Inits.

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COMPLIANCE REVIEW A 6W-EAT/6W-	
Information	MAJOR
Action	MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge	NPDES MOO 2230 & Name MOLY COP Location Assistant ADOLPHUS TALTON Date Received M24/9/
ROUTED TO INITIALS PATE 4/24/91	ACTION RECOMMENDED
martinez/6wp mpm 07/03/91	no aexon.
ELLISON COMPANY AND TALTON TO THE STATE OF T	n/

REMARKS:	
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	3 - DMP's mati
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	CRAS Date Filed
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COMPLIANCE REVIEW ACTION SHEET
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Action		MINOR
B = Bypass/Overflows I = Inspection E = VRAC (Effluent) A = A/O Response R = Admin Review S - S/C Report P = Pretreatment T = Toxicity D = Consent Decree Response C = Correspondence Req. Review L = Sludge		NPDES NMOO 22306 Name Moly Corp Jac Location Assistant ADOLPHUS TALTON Date Received 4/23/9/
ROUTED TO INITIALS ELLISON	PATE	ACTION RECOMMENDED
nartinez/6w-Pmm	07/03/91	macken.
ELLISON (A) AD TALTON	1/3	
REMARKS:		
		1 - Permit/CD 2 - AO & AO matl 3 - DMR's 4 - Vio. Sum. Log 5 - NGR 6 - Correspondence 7 - CRAS Date Filed Clerk's Inits.

Information	COMPLIANCE REVIEW 6W-EAT/6W		T MAJOR	· ·
Action			MINOR	
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I = Inspection E = VRAC (Effluent)			moly car,	
A = A/O Response R = Admin Review			•	
S - S/C Report P = Pretreatment		Location		
T = Toxicity			ADOLPHUS TALTON	
D = Consent Decree Res C = Correspondence Rec	sponse p. Review	Date Rece	i ved4 /10/9	<u></u>
L = Sludge				
ROUTED TO IN	NITIALS DATE	А	CTION RECOMMENDED	
ELLISON	CZ 4-10-9	7/		
Bern	BY 4/11/91			
mitz	m 4/10/91	No	ACTION . / REACH	L PIP POT H RECEIVING
				ωA T€
ELLISON	Q 4/18/4			
AD TALTON	AD 4/23/	1/		
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REMARKS:				
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		4	1 - Permit/CD	
		SA A June	3 - DMR's A - Vio. Sum. Log	· · · · · · · · · · · · · · · · · · ·
		-	5 · NCR 6 · Correspondence	
		7	7 - CONESDONGEN 7 - CRAS Date Filed	~
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COMPLIANCE REVIEW ACTION SHEET

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on-comp1 fance	,	Come MALY Corp
i. Mu-Phih i shipe		Location
ypass		Reviewer ADOLPHUS TALTON
ompliance Schedule		Date Routed 4/4/9/
ther LAR dtd 3/22/91	•	Suspense Date
forming NMEID OF	fh.	
		c two tailing sumps
ROUTED TO ENITIALS	DATE	ACTION RECOMENSES
carlene ll	4/2/91	
Barn BA	4/3/91	
Sourfail In	4/4/9	PLEASE FILE
An Carline (1)	4/9/9/	
AD AD	1/10/11	
	(
EMARKS:	·.	
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		3. DMR'S SUM. LOB
		5. NCR correspondence
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Information			REVIEW ACTION SHEET WAJOR
Action			□ MINOR
STR			NPDES NIM 100 #122 304
Hon-compliance			Name <u>MOLY</u> corp
	•	•	Location
2) pass 3/26/9/	(to NME	IU)	Reviewer ADOLPHUS TALTON
Compliance Schedule			_ Date Routed
Other	·	·	Suspense Date
	•	· · · · · ·	• -
Carlene	INITIALS	DATE 4/3/91	ACTION RECOMMENDED
BACO	BY	4/4/91	•
Connford	· fm	4/11/91	NO ACTION. SPILL DID NOT REACH WATERS OF U.S.
Carline	No 1	14/18/91	•
· 10	10	4/20/9/	•
			•
•			
REMARKS:			
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1 · · · · · · · · · · · · · · · · · · ·			- AO & AO mati
			- Viv. Sum: Log
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COMPLIANCE REVIEW ACTION SHEET

MAJOR

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2N R			APDES NAI 0022306
Mon-compliance			some molycorp Inc
, <u>r</u>			Reviewer AD
Sypess			Reviewer AD
Compliance Schedu	1e		Date Routed 2/24/91
Other		•	Suspense Date
			•
ROUTED TO	INITIALS	DATE	ACTION PECOMENDED
Ceordan	BP 1	2/27/9/	Admin Close in soutz
Cran fire	BUC	2/28/9/	Admin Close in soutz
4).		3/2/11	
		-	
			
			• .
REMARKS: Brad			
	o hose	A0 9	0-1037: All reguirements
Could you		1	o stop 1. Mil regulierrongs
have been	m C7	•	
			W. Daniel CD
			2 - AU & AU matt
			3 - DMR's 4 - Vio. Sum. Log
		·	5 - NCR
		:	27GRAS
			· Clerk's Inits.

COMPLIANCE REVIEW ACTION SHEET

MAJOR

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ROUTED TO INITIALS DATE Fac Mity M. 2/19/ AP 2/12/91	ACTION RECOMENSES PLEASE FILE		
REMARKS:	1 - Permit/CD 2 - AO & AO matl 3 - DMR's 4 - Vio. Sum. Log 5 - NCR 6 - Correspondence Date Filed Clerk's Inits.		